

Jump to: [Multiple Alignment](#) [Motif Tree](#) [Motif Matching](#)

Input file: 94 motifs loaded

Settings: Metric=PCC, Alignment=SWU, Gap-open=1000, Gap-extend=1000, -nooverlapalign

Multiple Alignment=IR, Tree=UPGMA, Matching against: JASPAR

Note: All results files are removed nightly at midnight EST. Please save your results by saving "Webpage, complete".

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Multiple Alignment

(Consensus sequence representations shown, but multiple alignment was carried out on the matrices)

```

M0 :          TTTTTTTT-----
M1 :          -----TTTTAAAA
M2 :          ----TTTTTTAA---
M3 :          --TTCCTTT-----
M4 :          ---TTCCTTTC----
M5 :          --CCTCCTCC-----
M6 :          ---TTCCTTCC----
M7 :          CCTTTCCT-----
M8 :          --CTTCTCC-----
M9 :          --CTCCTCT-----
M10 :         --CTCCCTCC-----
M11 :         --GCTGCTGC-----
M12 :         -----CCCGCCCC--
M13 :         ----CCCTTCCC---
M14 :         -CTCTCCTC-----
M15 :         ---TCCCTCCC----
M16 :         -TGCTGCTG-----
M17 :         CTCTGCCT-----
M18 :         ----CCCCCACC---
M19 :         --CTTCTTGG-----
M20 :         CTTTCCCT-----
M21 :         --TCCCTTCC-----
M22 :         ----GGCTGCAG---
```

Stamp Results

10/01/13

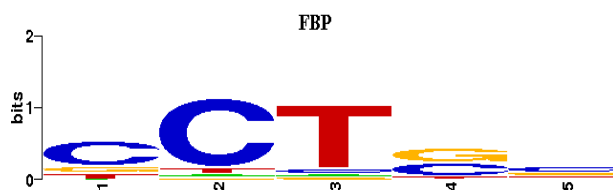
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M24: -----CCTCTCCC--
M25: CAGCTCCT-----
M26: ---CCCCTTCC----
M27: -CCACCCCC-----
M28: ----CTCTGCAG---
M29: -CTTTCCTC-----
M30: --CAGCCTCC-----
M31: -----CCTCCCCA--
M32: -----CCGCCGCC--
M33: -CAGCTCTG-----
M34: -----CCTGCAGC--
M35: -----CCTCCAGC--
M36: ----CTCTGCTC---
M37: --GGAGCTGG-----
M38: ----CCCTCTCC---
M39: -----CCTCCCAG--
M40: ----GGCTGGGG---
M41: CCCAGCCT-----
M42: -CTGGGCTG-----
M43: -CTGCCCTG-----
M44: -----GCTGGGAG--
M45: ---GAGCTGGG----
M46: ---CTGCTGGG----
M47: -----CCTCACCT--
M48: ---CCCCTCCT----
M49: -----CTCCCCCA-
M50: --AGCTCTGG-----
M51: ----GCCTGGAG---
M52: ---GCCCGGCC----
M53: --CAGCCTGG-----
M54: -GCCGCCGC-----
M55: --GCTTCTCC-----
M56: -----CCTGGCCT--
M57: ---GGGCTGCT----
M58: -CCTGCCTG-----
M59: ----TCCTCTGG---
M60: ---GGGCTGAG----
M61: ----GCCTGGGA---
M62: -----CCTGGAGG--
M63: -----CTGGCTCC-
M64: ---GCCATCTT----
M65: ----CTCTGGGG---

Stamp Results

10/01/13

```
M66: --GTCCTGG-----
M67: -----CTGGGGCT-
M68: TGCTGCCT-----
M69: -----CTGGGGCTC-
M70: CCGCCCCT-----
M71: ----CCCTCCGC---
M72: -CGCCCCTC-----
M73: -----GCTGCGGG--
M74: -GGCTCCTC-----
M75: -GCTGGCTG-----
M76: ----GCCTCAGC---
M77: ---GCTCTGTG----
M78: ----GCCTCTGG---
M79: ----GCCTGCGC---
M80: -CTCACCTG-----
M81: ---CCCCTCTC----
M82: CTCACCCT-----
M83: --GGCCTGG-----
M84: ----GCCTCCCC---
M85: ---GGCTTCCC----
M86: -CACCCCCC-----
M87: ----TCCTGCC---
M88: ---TCCCTGCA----
M89: CGCCCCCT-----
M90: --CTGGCTGG-----
M91: ----CCCTGCTG---
M92: --GCGCCTGC-----
M93: ---CACTTCCG----
```

Familial Profile:
[\(click for matrix\)](#)

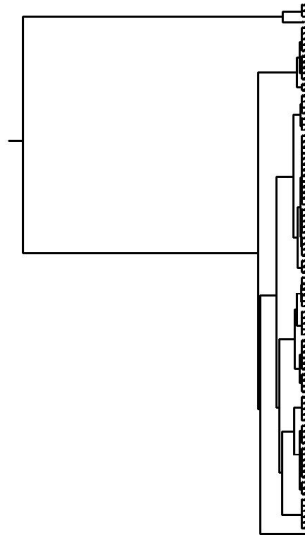


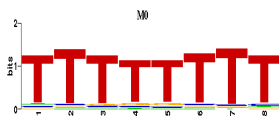

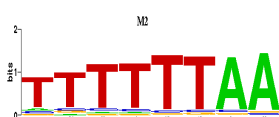
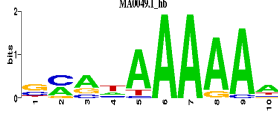


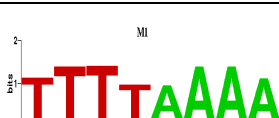
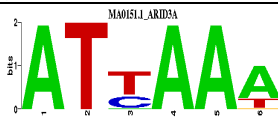


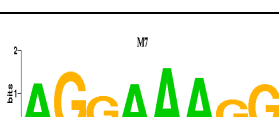




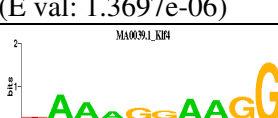
Motif Tree

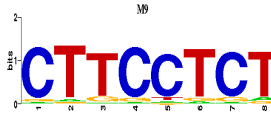
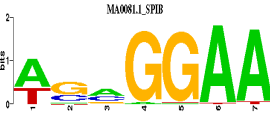
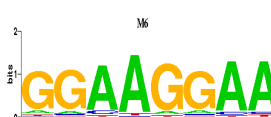
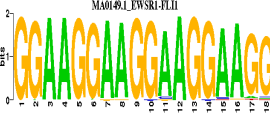

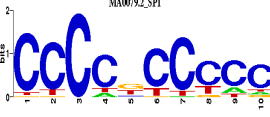
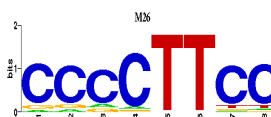



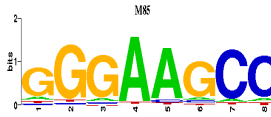

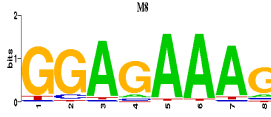
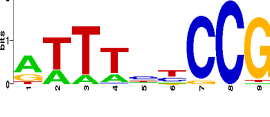
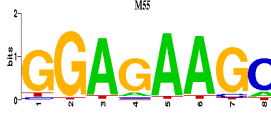
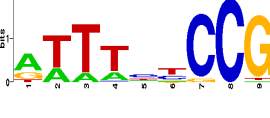
Tree (drawn by [Phylip](#))
[Click here for Newick-format tree](#) (viewable with [MEGA](#))

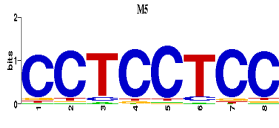
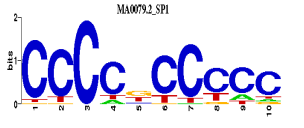
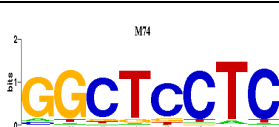
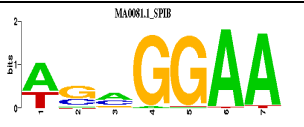
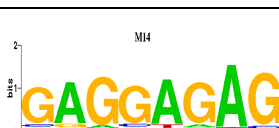



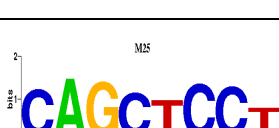


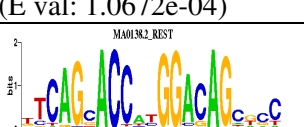


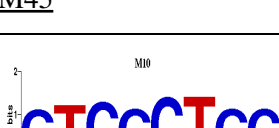

Input Motif

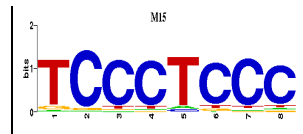
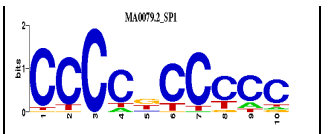
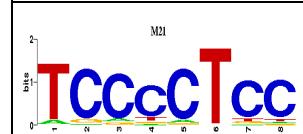
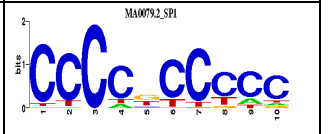
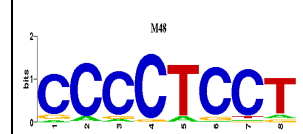
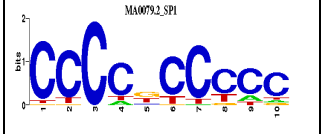
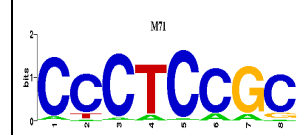
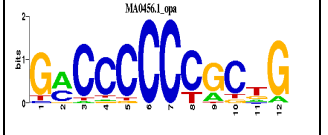
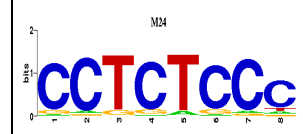
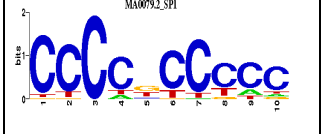
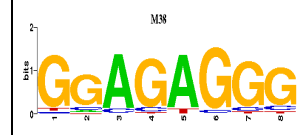
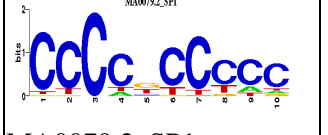
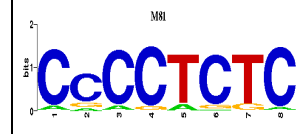

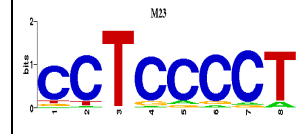
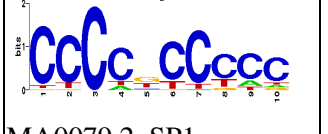
Best match in
JASPAR

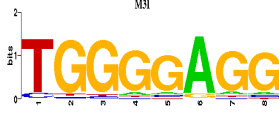
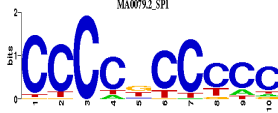

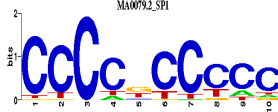

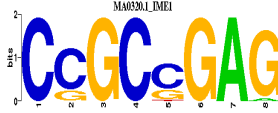
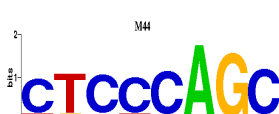


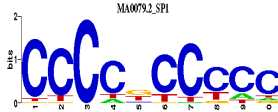

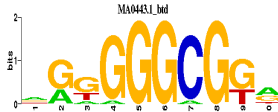



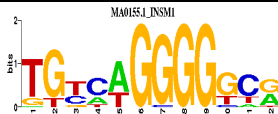


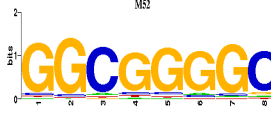



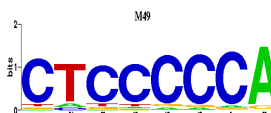
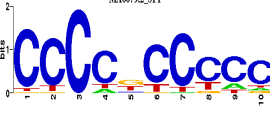
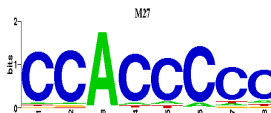
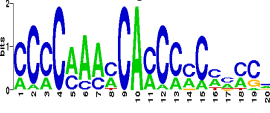
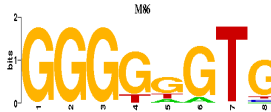
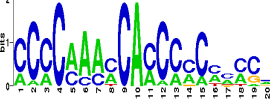
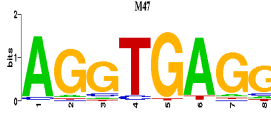
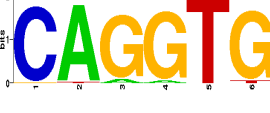
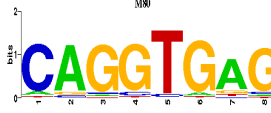
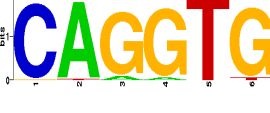
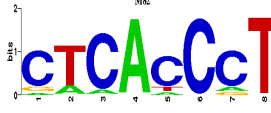
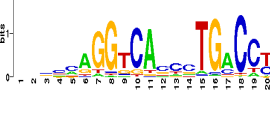
<p>M0</p>  <p><u>M0</u></p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 6.5189e-08)</p>
<p>M2</p>  <p><u>M2</u></p>	<p>MA0049.1_hb</p>  <p>MA0049.1_hb (E val: 2.9234e-05)</p>
<p>M4</p>  <p><u>M4</u></p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 4.6816e-09)</p>
<p>M1</p>  <p><u>M1</u></p>	<p>MA0151.1_ARID3A</p>  <p>MA0151.1_ARID3A (E val: 7.1716e-05)</p>
<p>M3</p>  <p><u>M3</u></p>	<p>MA0277.1_AZF1</p>  <p>MA0277.1_AZF1 (E val: 3.8018e-09)</p>
<p>M7</p>  <p><u>M7</u></p>	<p>MA0039.1_Klf4</p>  <p>MA0039.1_Klf4 (E val: 4.2817e-07)</p>
<p>M29</p>  <p><u>M29</u></p>	<p>MA0081.1_SPIB</p>  <p>MA0081.1_SPIB (E val: 1.3697e-06)</p>
<p>M20</p>  <p><u>M20</u></p>	<p>MA0039.1_Klf4</p>  <p>MA0039.1_Klf4 (E val: 1.1645e-04)</p>

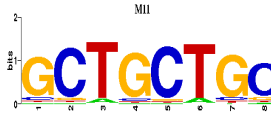





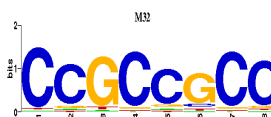
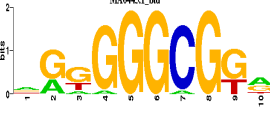
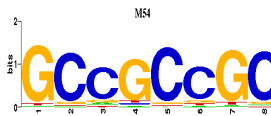

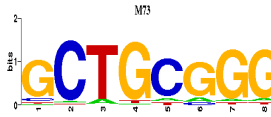
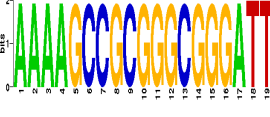
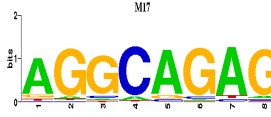

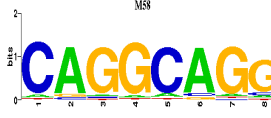

<p>M9</p> 	<p>MA0081.1_SPIB (E val: 7.3751e-10)</p> 
<p>M6</p> 	<p>MA0149.1_EWSR1-FLI1 (E val: 1.0376e-10)</p> 
<p>M13</p> 	<p>MA0079.2_SP1 (E val: 3.7290e-06)</p> 
<p>M26</p> 	<p>MA0366.1_RGM1 (E val: 2.0613e-06)</p> 
<p>M93</p> 	<p>MA0062.2_GABPA (E val: 5.9193e-12)</p> 
<p>M85</p> 	<p>MA0304.1_GCR1 (E val: 6.4175e-10)</p> 
<p>M8</p> 	<p>MA0437.1_YPR196W (E val: 9.9410e-08)</p> 
<p>M55</p> 	<p>MA0437.1_YPR196W (E val: 4.3801e-05)</p> 

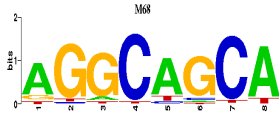
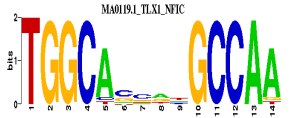
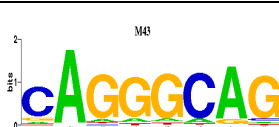
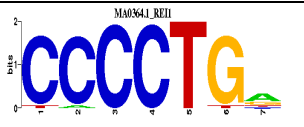

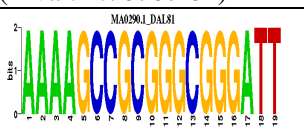
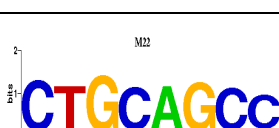





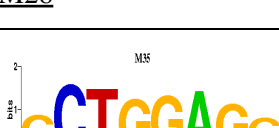

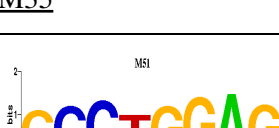

<p>M5</p>  <p>M5</p>	<p>MA0079.2_SP1 (E val: 1.0616e-06)</p> 
<p>M74</p>  <p>M74</p>	<p>MA0081.1_SPIB (E val: 1.1462e-03)</p> 
<p>M14</p>  <p>M14</p>	<p>MA0354.1_PDR8 (E val: 6.3370e-04)</p> 
<p>M36</p>  <p>M36</p>	<p>MA0326.1_MAC1 (E val: 1.8109e-05)</p> 
<p>M25</p>  <p>M25</p>	<p>MA0055.1_Myf (E val: 1.0672e-04)</p> 
<p>M37</p>  <p>M37</p>	<p>MA0138.2_REST (E val: 9.0017e-05)</p> 
<p>M45</p>  <p>M45</p>	<p>MA0145.1_Tcfp211 (E val: 1.1743e-04)</p> 
<p>M10</p>  <p>M10</p>	<p>MA0410.1_UGA3 (E val: 1.7585e-05)</p> 

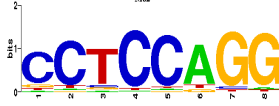
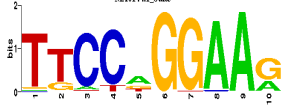








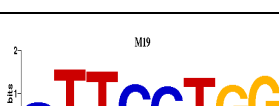

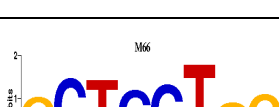


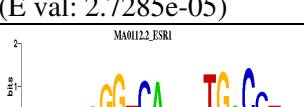
<p>M15</p>  <p>M15</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.4467e-06)</p>
<p>M21</p>  <p>M21</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 8.2353e-07)</p>
<p>M48</p>  <p>M48</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.6141e-06)</p>
<p>M71</p>  <p>M71</p>	<p>MA0456.1_opa</p>  <p>MA0456.1_opa (E val: 1.9389e-06)</p>
<p>M24</p>  <p>M24</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 6.7096e-06)</p>
<p>M38</p>  <p>M38</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.6649e-05)</p>
<p>M81</p>  <p>M81</p>	<p>MA0366.1_RGM1</p>  <p>MA0366.1_RGM1 (E val: 2.5605e-06)</p>
<p>M23</p>  <p>M23</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 1.6492e-06)</p>

 <p>M31</p>	 <p>MA0079.2_SP1 (E val: 1.4582e-06)</p>
 <p>M84</p>	 <p>MA0079.2_SP1 (E val: 2.5565e-06)</p>
 <p>M39</p>	 <p>MA0320.1_IME1 (E val: 2.7440e-04)</p>
 <p>M44</p>	 <p>MA0267.1_ACE2 (E val: 1.7663e-04)</p>
 <p>M12</p>	 <p>MA0079.2_SP1 (E val: 4.0388e-11)</p>
 <p>M70</p>	 <p>MA0443.1_btd (E val: 2.5390e-08)</p>
 <p>M72</p>	 <p>MA0366.1_RGM1 (E val: 1.9343e-06)</p>
 <p>M89</p>	 <p>MA0155.1_INSM1 (E val: 7.9788e-10)</p>

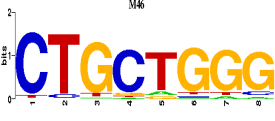

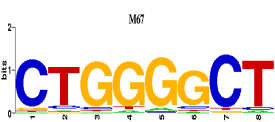

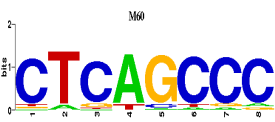

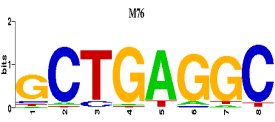

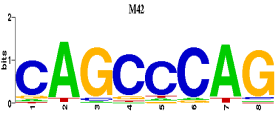

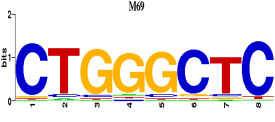

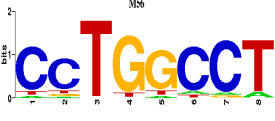
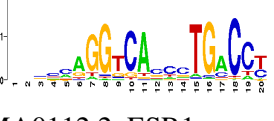
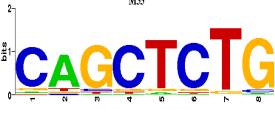

<p>M52</p>  <p>M52</p>	<p>MA0039.2_Klf4</p>  <p>MA0039.2_Klf4 (E val: 3.7888e-09)</p>
<p>M18</p>  <p>M18</p>	<p>MA0436.1_YPR022C</p>  <p>MA0436.1_YPR022C (E val: 2.1458e-07)</p>
<p>M49</p>  <p>M49</p>	<p>MA0079.2_SP1</p>  <p>MA0079.2_SP1 (E val: 2.5847e-06)</p>
<p>M27</p>  <p>M27</p>	<p>MA0073.1_RREB1</p>  <p>MA0073.1_RREB1 (E val: 4.9912e-08)</p>
<p>M86</p>  <p>M86</p>	<p>MA0073.1_RREB1</p>  <p>MA0073.1_RREB1 (E val: 1.8810e-07)</p>
<p>M47</p>  <p>M47</p>	<p>MA0086.1_sna</p>  <p>MA0086.1_sna (E val: 1.8937e-05)</p>
<p>M80</p>  <p>M80</p>	<p>MA0086.1_sna</p>  <p>MA0086.1_sna (E val: 4.5279e-09)</p>
<p>M82</p>  <p>M82</p>	<p>MA0112.2_ESR1</p>  <p>MA0112.2_ESR1 (E val: 2.8221e-06)</p>
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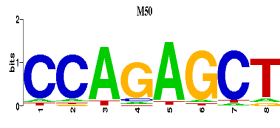

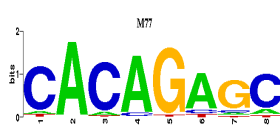

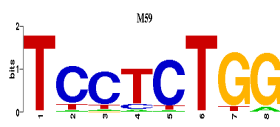

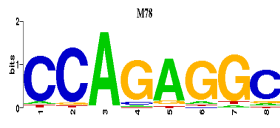

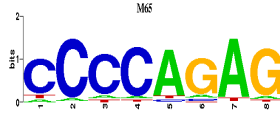
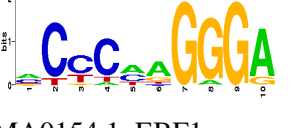
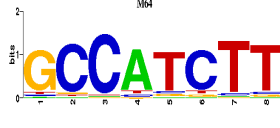

<p>M11</p>  <p><u>M11</u></p>	<p>MA0055.1_Myf</p>  <p>MA0055.1_Myf (E val: 1.8547e-07)</p>
<p>M16</p>  <p><u>M16</u></p>	<p>MA0454.1_odd</p>  <p>MA0454.1_odd (E val: 6.5181e-07)</p>
<p>M57</p>  <p><u>M57</u></p>	<p>MA0412.1_UME6</p>  <p>MA0412.1_UME6 (E val: 5.3364e-04)</p>
<p>M32</p>  <p><u>M32</u></p>	<p>MA0443.1_btd</p>  <p>MA0443.1_btd (E val: 1.5717e-06)</p>
<p>M54</p>  <p><u>M54</u></p>	<p>MA0412.1_UME6</p>  <p>MA0412.1_UME6 (E val: 2.4639e-07)</p>
<p>M73</p>  <p><u>M73</u></p>	<p>MA0290.1_DAL81</p>  <p>MA0290.1_DAL81 (E val: 7.0901e-06)</p>
<p>M17</p>  <p><u>M17</u></p>	<p>MA0283.1_CHA4</p>  <p>MA0283.1_CHA4 (E val: 2.5444e-05)</p>
<p>M58</p>  <p><u>M58</u></p>	<p>MA0340.1_MOT3</p>  <p>MA0340.1_MOT3 (E val: 2.6762e-05)</p>

<p>M68</p>  <p>M68</p>	<p>MA0119.1_TLX1_NFIC</p>  <p>MA0119.1_TLX1_NFIC (E val: 1.3282e-04)</p>
<p>M43</p>  <p>M43</p>	<p>MA0364.1_REI1</p>  <p>MA0364.1_REI1 (E val: 1.7670e-04)</p>
<p>M87</p>  <p>M87</p>	<p>MA0290.1_DAL81</p>  <p>MA0290.1_DAL81 (E val: 8.0449e-06)</p>
<p>M22</p>  <p>M22</p>	<p>MA0055.1_Myf</p>  <p>MA0055.1_Myf (E val: 2.8751e-04)</p>
<p>M34</p>  <p>M34</p>	<p>MA0055.1_Myf</p>  <p>MA0055.1_Myf (E val: 4.5634e-04)</p>
<p>M28</p>  <p>M28</p>	<p>MA0150.1_NFE2L2</p>  <p>MA0150.1_NFE2L2 (E val: 5.6525e-04)</p>
<p>M35</p>  <p>M35</p>	<p>MA0267.1_ACE2</p>  <p>MA0267.1_ACE2 (E val: 1.8680e-04)</p>
<p>M51</p>  <p>M51</p>	<p>MA0144.1_Stat3</p>  <p>MA0144.1_Stat3 (E val: 2.4892e-05)</p>

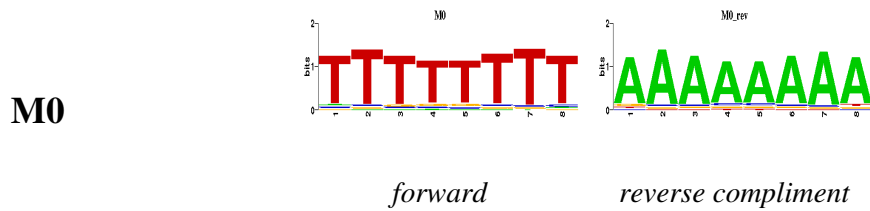
<p>M62</p>  <p>M62</p>	<p>MA0144.1_Stat3</p>  <p>(E val: 2.5224e-05)</p>
<p>M79</p>  <p>M79</p>	<p>MA0162.1_Egr1</p>  <p>(E val: 8.7999e-04)</p>
<p>M92</p>  <p>M92</p>	<p>MA0086.1_sna</p>  <p>(E val: 1.4539e-04)</p>
<p>M88</p>  <p>M88</p>	<p>MA0364.1_REI1</p>  <p>(E val: 1.9285e-04)</p>
<p>M91</p>  <p>M91</p>	<p>MA0456.1_opa</p>  <p>(E val: 1.0280e-07)</p>
<p>M19</p>  <p>M19</p>	<p>MA0144.1_Stat3</p>  <p>(E val: 4.7308e-12)</p>
<p>M66</p>  <p>M66</p>	<p>MA0144.1_Stat3</p>  <p>(E val: 2.7285e-05)</p>
<p>M53</p>  <p>M53</p>	<p>MA0112.2_ESR1</p>  <p>(E val: 6.6744e-04)</p>

<p>M83</p>	<p>MA0450.1_hkb (E val: 7.5266e-05)</p>
<p>M61</p>	<p>MA0344.1_NHP10 (E val: 1.3066e-08)</p>
<p>M30</p>	<p>MA0412.1_UME6 (E val: 5.9456e-04)</p>
<p>M63</p>	<p>MA0213.1_brk (E val: 6.3171e-06)</p>
<p>M75</p>	<p>MA0267.1_ACE2 (E val: 1.9213e-04)</p>
<p>M90</p>	<p>MA0267.1_ACE2 (E val: 1.7885e-04)</p>
<p>M40</p>	<p>MA0344.1_NHP10 (E val: 1.8283e-05)</p>
<p>M41</p>	<p>MA0079.1_SP1 (E val: 7.3211e-05)</p>


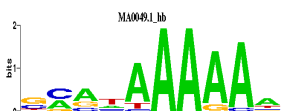



<p>M46</p>  <p>M46</p>	<p>MA0402.1_SWI5</p>  <p>MA0402.1_SWI5 (E val: 1.7927e-06)</p>
<p>M67</p>  <p>M67</p>	<p>MA0213.1_brk</p>  <p>MA0213.1_brk (E val: 1.6872e-05)</p>
<p>M60</p>  <p>M60</p>	<p>MA0283.1_CHA4</p>  <p>MA0283.1_CHA4 (E val: 6.0407e-05)</p>
<p>M76</p>  <p>M76</p>	<p>MA0150.1_NFE2L2</p>  <p>MA0150.1_NFE2L2 (E val: 8.0564e-07)</p>
<p>M42</p>  <p>M42</p>	<p>MA0320.1_IME1</p>  <p>MA0320.1_IME1 (E val: 3.5290e-04)</p>
<p>M69</p>  <p>M69</p>	<p>MA0368.1_RIM101</p>  <p>MA0368.1_RIM101 (E val: 1.0818e-03)</p>
<p>M56</p>  <p>M56</p>	<p>MA0112.2_ESR1</p>  <p>MA0112.2_ESR1 (E val: 8.1182e-05)</p>
<p>M33</p>  <p>M33</p>	<p>MA0048.1_NHLH1</p>  <p>MA0048.1_NHLH1 (E val: 2.2688e-03)</p>

 <p>M50</p>	 <p>MA0335.1_MET4 (E val: 1.3927e-05)</p>
 <p>M77</p>	 <p>MA0332.1_MET28 (E val: 1.8499e-05)</p>
 <p>M59</p>	 <p>MA0370.1_RME1 (E val: 6.0012e-07)</p>
 <p>M78</p>	 <p>MA0332.1_MET28 (E val: 1.3506e-04)</p>
 <p>M65</p>	 <p>MA0154.1_EBF1 (E val: 1.3309e-05)</p>
 <p>M64</p>	 <p>MA0091.1_TAL1_TCF3 (E val: 5.8337e-04)</p>

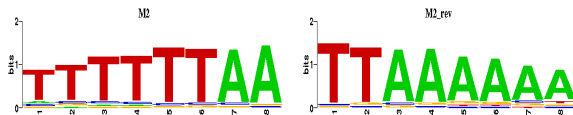
Motif Similarity Matches



Name *E value* *Alignment* *Motif*

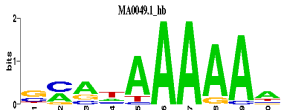




MA0277.1_AZF1	6.5189e-08	-TTTTTTTT TTTCTTTTT	
MA0049.1_hb	3.1104e-06	-AAAAAAAA- SMRNAAAAAN	
MA0041.1_Foxd3	7.6737e-05	AAAAAAAA---- AAANAAACAWTN	
MA0120.1_id1	4.4526e-04	TTTTTTTT---- TNKYNNNTNCG	
MA0010.1_br_Z1	1.2021e-03	-TTTTTTTT----- NWYTTGTYTATNAN	

M2

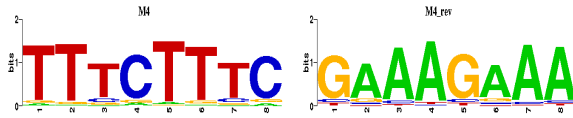


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0049.1_hb	2.9234e-05	TTTTTTAA-- NTTTTTNYKS	
MA0151.1_ARID3A	6.0845e-05	-TTAAAAAA ATTAAA---	
MA0387.1_SPT2	7.4563e-05	TTTTTTAA-- TTMNTTAANT	
MA0216.1_cad	8.8076e-05	TTAAAAAA -YAATAAA	
MA0174.1_CG42234	9.2576e-05	TTAAAAAA -TMATWAA	

M4

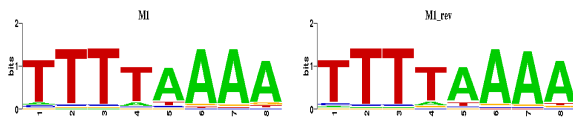


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0277.1_AZF1	4.6816e-09	TTTCTTTC- TTTCTTTT	
MA0039.1_Klf4	3.6964e-05	--TTTCTTTC CCTTYYYT	
MA0370.1_RME1	5.8562e-05	TTTCTTTC-- TNCCTTNN	
MA0042.1_FOXI1	1.4273e-03	-----TTTCTTTC NNNTRTTTWT-	
MA0149.1_EWSR1-FLI1	1.5546e-03	-----TTTCTTTC- CCTTCCTTCCTTCCTTC	

M1



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0151.1_ARID3A	7.1716e-05	TTTTAAAA -TTTAA-	
MA0218.1_ct	1.3179e-03	TTTTAAAA GTTYAA--	

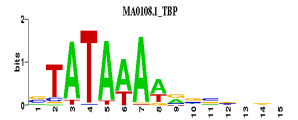
MA0173.1_CG11617 1.5644e-03

TTTTAAAA-
--TTWACAT



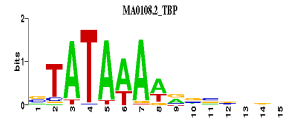
MA0108.1_TBP 1.6366e-03

TTTTAAAA-----
NTATAAAWRNNNNNN

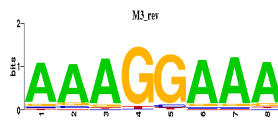
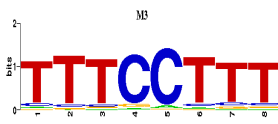


MA0108.2_TBP 1.6399e-03

TTTTAAAA-----
NTATAAAWRNNNNNN



M3



forward

reverse compliment

Name

E value

Alignment

Motif

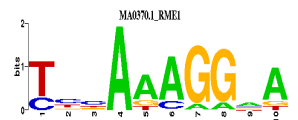
MA0277.1_AZF1 3.8018e-09

TTTCCTTT-
TTTCCTTTT



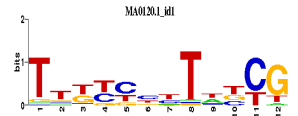
MA0370.1_RME1 2.1030e-08

TTTCCTTT---
-TNCCTTTNNA



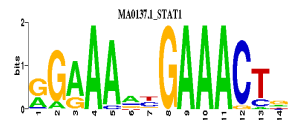
MA0120.1_id1 6.5778e-07

---AAAGGAAA-
CGNNANNRRMNA



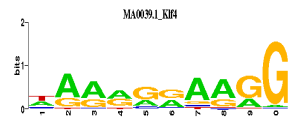
MA0137.1_STAT1 3.4471e-06

---TTTCCTTT---
NAGTTTCNNTTTCY

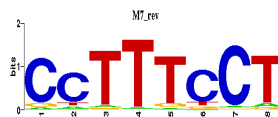
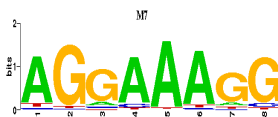


MA0039.1_Klf4 6.6042e-06

-TTTCCTTT-
CCTTYYYTNN

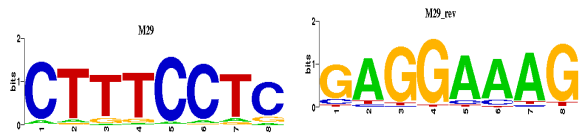


M7



	<i>forward</i>	<i>reverse compliment</i>	
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0039.1_Klf4	4.2817e-07	CCTTTCCT-- CCTTYYYTTN	
MA0156.1_FEV	2.2769e-05	-AGGAAAGG CAGGAART-	
MA0152.1_NFATC2	1.7956e-04	AGGAAAGG TGGAAAA-	
MA0080.2_SPI1	2.0820e-04	CCTTTCCT -ACTTCCT	
MA0136.1_ELF5	4.4560e-04	CCTTTCCT- NAYTTCKN	

M29



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	1.3697e-06	CTTTCCTC- --TTCKST	
MA0090.1_TEAD1	4.0455e-06	--GAGGAAAG-- CNSWGAATGTR	
MA0326.1_MAC1	1.7877e-05	CTTTCCTC- -TTTGCTCR	

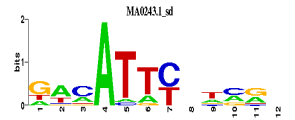
MA0156.1_FEV 2.5697e-05

CTTTCCTC
AYTTCCTG

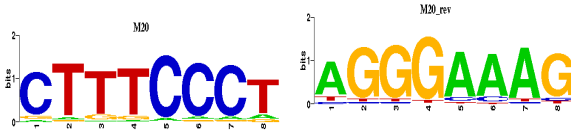


MA0243.1_sd 7.5657e-05

--GAGGAAAG--
NYNNNRAATKWN



M20



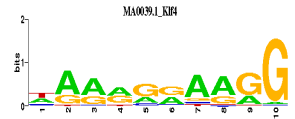
forward

reverse compliment

Name E value Alignment Motif

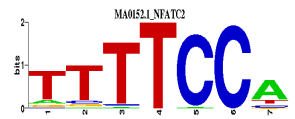
MA0039.1_Klf4 1.1645e-04

CTTTCCT--
CCTTYYYTTN



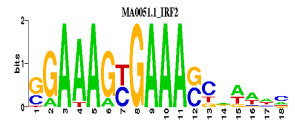
MA0152.1_NFATC2 1.8773e-04

AGGGAAAG
-TGGAAAA



MA0051.1_IRF2 2.2277e-04

----AGGGAAAG-----
SGAAAGYGAAASYNWWNN



MA0428.1_YKL222C 6.5863e-04

CTTTCCT-
ATYTCCGTN

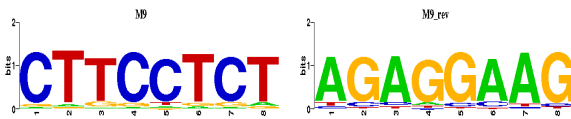


MA0438.1_YRM1 6.8768e-04

AGGGAAAG
NCGGANAT



M9

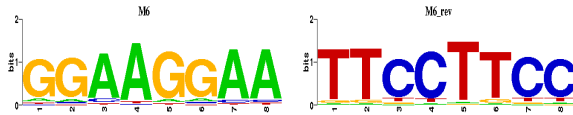


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0081.1_SPIB	7.3751e-10	CTTCCTCT -TTCKST	
MA0080.2_SPI1	2.2759e-07	AGAGGAAG- --AGGAAGT	
MA0039.1_Klf4	1.3461e-05	-CTTCCTCT- CCTTYYYTNN	
MA0080.1_SPI1	4.1534e-05	CTTCCTCT STTCN--	
MA0144.1_Stat3	6.3695e-05	CTTCCTCT-- CTTCNGGAA	

M6



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0149.1_EWSR1-FLI1	1.0376e-10	--TTCCTTCC----- CCTTCCTTCCCTTCCTTCC	
MA0370.1_RME1	2.5801e-05	--GGAAGGAA TNNAAAGGNA	
MA0080.1_SPI1	5.0222e-05	TTCCTTCC- ---STTCN	
MA0305.1_GCR2	1.7458e-04	-GGAAGGAA NNGAAGC--	

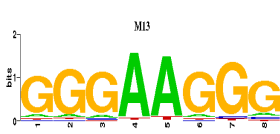
MA0080.2_SPI1

1.7701e-04

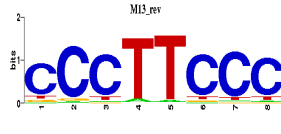
TTCCTTCC-
--ACTTCCT



M13



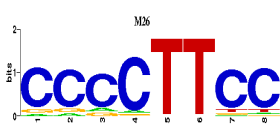
forward



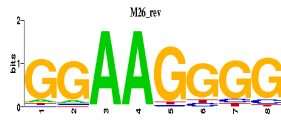
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SPI1	3.7290e-06	-GGGAAGGG- GGGGNGGGG	
MA0039.1_Klf4	1.5540e-05	---GGGAAGGG NAARRRAAGG-	
MA0080.1_SPI1	4.8253e-05	CCCTTCCC --STTCN	
MA0305.1_GCR2	1.6936e-04	GGGAAGGG NGGAAGC-	
MA0080.2_SPI1	1.7562e-04	CCCTTCCC -ACTTCCT	

M26



forward

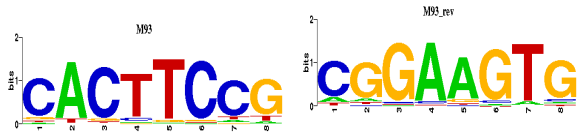


reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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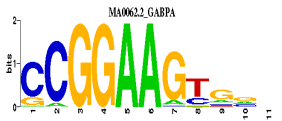



MA0366.1_RGM1	2.0613e-06	CCCCTTCC CCCCT---	
MA0342.1_MSN4	2.1628e-06	CCCCTTCC CCCCT---	
MA0079.2_SP1	2.9441e-06	--GGAAGGGG GGGGGNGGGG	
MA0341.1_MSN2	5.6863e-06	CCCCTTCC CCCCT---	
MA0323.1_IXR1	1.2268e-05	-----GGAAGGGG-- AARCCGGAAGCGGKG	

M93



forward

reverse compliment

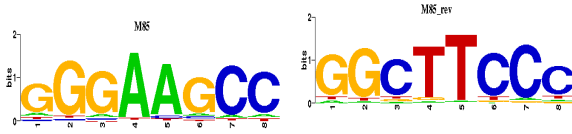
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0062.2_GABPA	5.9193e-12	--CACTTCCG-- NNCACTTCCGG	
MA0062.1_GABPA	2.7372e-09	CACTTCCG-- SNCTTCCGGT	
MA0076.1_ELK4	1.0804e-08	CACTTCCG-- -ACTTCCGGT	
MA0080.2_SPI1	1.7090e-07	CGGAAGTG AGGAAGT-	

MA0026.1_Eip74EF 5.0937e-07

CACTTCCG-
--YTTCCGG



M85

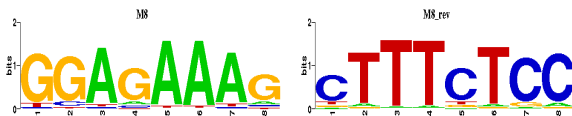


forward

reverse compliment

Name	E value	Alignment	Motif
MA0304.1_GCR1	6.4175e-10	GGGAAGCC TGGAAGCC	
MA0305.1_GCR2	1.6980e-07	GGGAAGCC NGGAAGC-	
MA0260.1_che-1	6.7996e-07	GGCTTCCC GGYTTC--	
MA0105.1_NFKB1	4.9335e-06	-GGGAAGCC-- GGGAATCCCC	
MA0061.1_NF-kappaB	1.3172e-05	GGGAAGCC-- GGRAAKTCCC	

M8





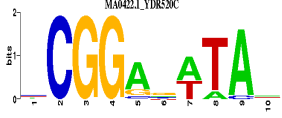

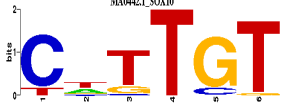
forward

reverse compliment

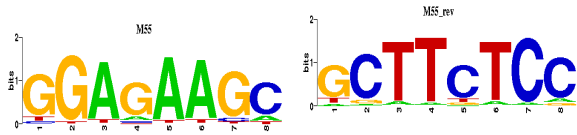
Name	E value	Alignment	Motif
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Stamp Results

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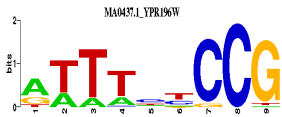

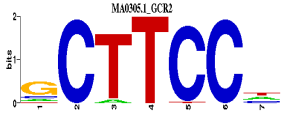

MA0437.1_YPR196W	9.9410e-08	-GGAGAAAG CGGRNAAAT	
MA0294.1_EDS1	1.2875e-04	CTTTCTCC- NTTNTTCCN	
MA0422.1_YDR520C	1.9966e-04	CTTTCTCC-- NTAWNTCCGN	
MA0432.1_YNR063W	2.2806e-04	CTTTCTCC-- --ATCTCCGA	
MA0442.1_SOX10	3.4088e-04	GGAGAAAG --ACAAG	

M55



forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0437.1_YPR196W	4.3801e-05	GCTTCTCC- ATTTNYCCG	
MA0432.1_YNR063W	1.8814e-04	GCTTCTCC-- --ATCTCCGA	
MA0305.1_GCR2	2.0829e-04	GGAGAAGC -NGGAAGC	
MA0260.1_che-1	5.4420e-04	-GCTTCTCC GGYTTC---	

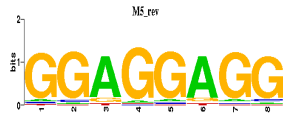
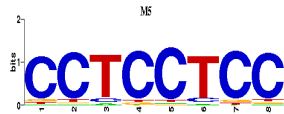
MA0354.1_PDR8

6.4335e-04

GCTTCTCC--
--ATCTCCGN



M5



forward

reverse compliment

Name

E value

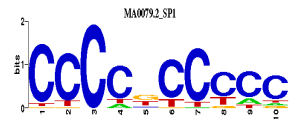
Alignment

Motif

MA0079.2_SPI1

1.0616e-06

--CCTCCTCC
CCCCNCCCCC



MA0283.1_CHA4

4.2320e-05

CCTCCTCC
NCTCCGCC



MA0062.1_GABPA

3.5342e-04

CCTCCTCC---
-SNCTTCCGGT



MA0080.2_SPI1

8.8835e-04

-CCTCCTCC
ACTTCCT--



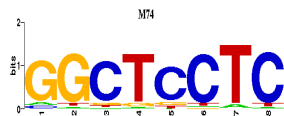
MA0081.1_SPIB

1.0016e-03

CCTCCTCC
-TTCKST



M74



forward

reverse compliment

Name

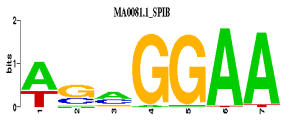
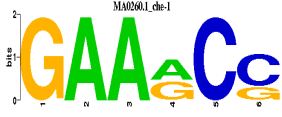
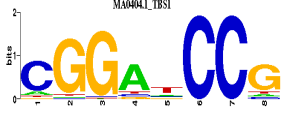

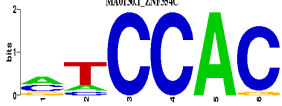
E value

Alignment

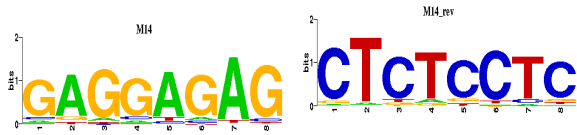
Motif

Stamp Results

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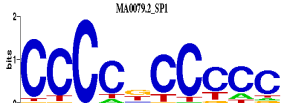
MA0081.1_SPIB	1.1462e-03	GGCTCCTC-- --TTCKST	
MA0260.1_che-1	3.1125e-03	GGCTCCTC GGYTTC--	
MA0404.1_TBS1	3.9265e-03	GAGGAGCC-- --CGNTCCG	
MA0304.1_GCR1	4.2639e-03	GAGGAGCC TGGAAGCC	
MA0130.1_ZNF354C	4.4688e-03	GAGGAGCC GTGGAK--	

M14



forward

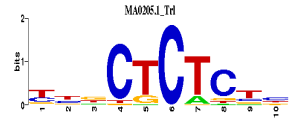
reverse compliment

Name	E value	Alignment	Motif
MA0354.1_PDR8	6.3370e-04	CTCTCCTC ATCTCCGN	
MA0432.1_YNR063W	6.7703e-04	CTCTCCTC ATCTCCGA	
MA0081.1_SPIB	1.0037e-03	CTCTCCTC-- --TTCKST	
MA0079.2_SP1	2.4034e-03	-GAGGAGAG- GGGGNGGGG	

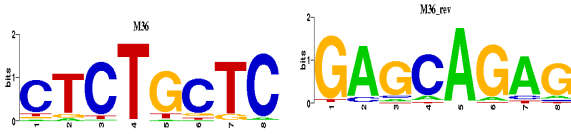
MA0205.1_Trl

3.4871e-03

GAGGAGAG---
-NNGAGAGNNR



M36



forward

reverse compliment

Name

E value

Alignment

Motif

MA0326.1_MAC1

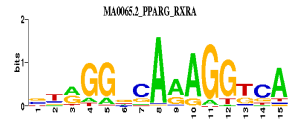
1.8109e-05

-GAGCAGAG
YGAGCAA-



MA0065.2_PPARG_RXRA 2.8092e-04

----CTCTGCTC---
TGMCCTTTGNCCYNN



MA0287.1_CUP2

5.4943e-04

---CTCTGCTC
CWTTYTGCTG



MA0283.1_CHA4

6.2208e-03

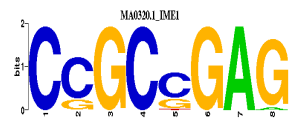
-CTCTGCTC
NCTCCGCC-



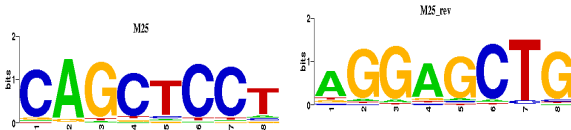
MA0320.1_IME1

8.0437e-03

CTCTGCTC
CTCGGCGG



M25



forward

reverse compliment

Name

E value

Alignment

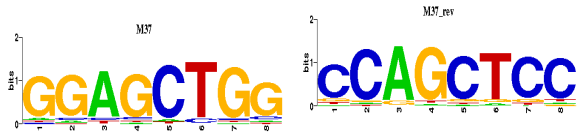
Motif

Stamp Results

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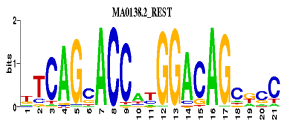
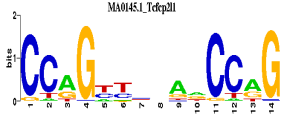


MA0055.1_Myf	1.0672e-04	-AGGAGCTG--- MRGCARCTGCTG	
MA0138.2_REST	1.5131e-04	AGGAGCTG----- -GNNGCTGTCCNNGGTGCTGAN	
MA0048.1_NHLH1	3.1710e-04	-AGGAGCTG--- NCGCAGCTGCGN	
MA0138.1_REST	1.6643e-03	-CAGCTCCT----- TCAGCACCWNGGACAGCNC	
MA0354.1_PDR8	2.9701e-03	-AGGAGCTG NCGGAGAT-	

M37



forward

reverse compliment

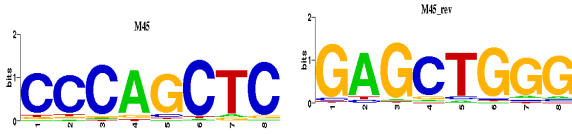
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0138.2_REST	9.0017e-05	GGAGCTGG----- GNNGCTGTCCNNGGTGCTGAN	
MA0145.1_Tcfcp2l1	1.2118e-04	CCAGCTCC----- CCRGYNNANCCRG	
MA0267.1_ACE2	1.8221e-04	-CCAGCTCC NCCAGCN--	
MA0048.1_NHLH1	2.8771e-04	--GGAGCTGG-- NCGCAGCTGCGN	

MA0402.1_SWI5 6.3075e-04

--CCAGCTCC
NACCAGCA--



M45



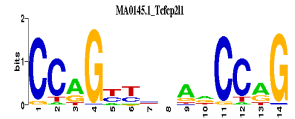
forward

reverse compliment

Name E value Alignment Motif

MA0145.1_Tcfcp211 1.1743e-04

-----GAGCTGGG
CYGGNTNNRNCYGG-



MA0267.1_ACE2 1.8678e-04

GAGCTGGG
-NGCTGGN



MA0048.1_NHLH1 2.8219e-04

-CCCAGCTC---
NCGCAGCTGCGN



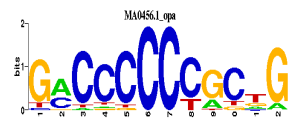
MA0402.1_SWI5 5.6824e-04

-CCCAGCTC
NACCAGCA-

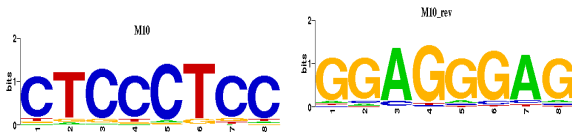


MA0456.1_opa 1.2254e-03

GAGCTGGG----
CNGCGGGGGGKC




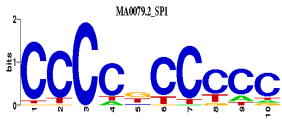



M10



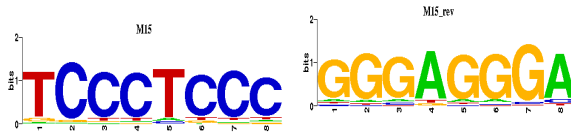
forward

reverse compliment

Name E value Alignment Motif

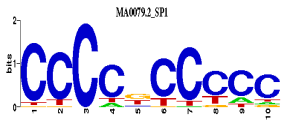
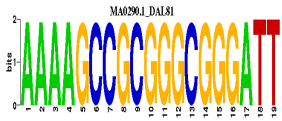


MA0410.1_UGA3	1.7585e-05	CTCCCTCC- -TCCCGCCN	
MA0079.2_SP1	2.5542e-04	---GGAGGGAG GGGGNGGGG-	
MA0290.1_DAL81	1.0171e-03	-CTCCCTCC----- AATCCCGCCCGCGGCTTTT	
MA0149.1_EWSR1-FLI1	1.4412e-03	-----CTCCCTCC---- CCTTCCTTCCTTCCTTC	
MA0080.2_SP11	1.6122e-03	-CTCCCTCC ACTTCCT--	

M15



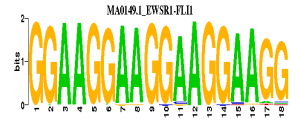
forward

reverse compliment

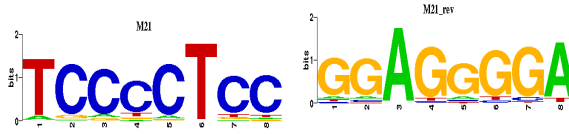
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.4467e-06	TCCCTCCC-- CCCCNCCCC	
MA0290.1_DAL81	7.1079e-06	-----GGGAGGGA-- AAAAGCCGCGGGCGGGATT	
MA0410.1_UGA3	4.6216e-05	GGGAGGGA NGGCGGGA	
MA0450.1_hkb	3.2674e-04	TCCCTCCC- TCACGCCCM	

MA0149.1_EWSR1-FLI1 9.8428e-04

-----TCCCTCCC---
CCTTCCTTCCTTCCTTCC



M21

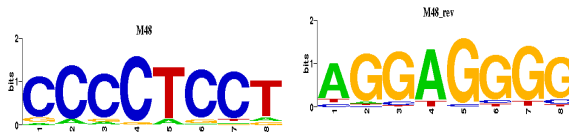


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	8.2353e-07	---GGAGGGGA GGGGGNGGGG-	
MA0366.1_RGM1	1.8504e-06	TCCCTCC -CCCCT--	
MA0342.1_MSN4	2.0001e-06	GGAGGGGA --AGGGG-	
MA0341.1_MSN2	5.2660e-06	TCCCTCC -CCCCT--	
MA0056.1_MZF1_1-4	2.0016e-05	TCCCTCC TCCCN--	

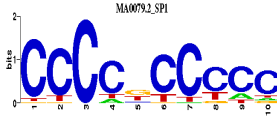




M48

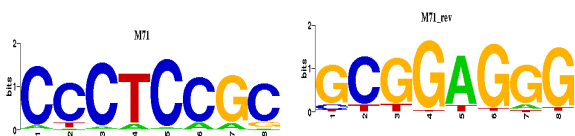


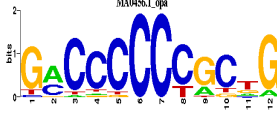

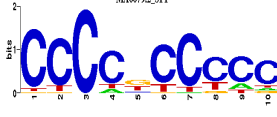
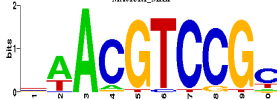
forward

reverse compliment

Name	E value	Alignment	Motif
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MA0079.2_SP1	1.6141e-06	CCCCTCCT-- CCCCNCCCCC	
MA0366.1_RGM1	2.0658e-06	CCCCTCCT CCCCT---	
MA0342.1_MSN4	2.3683e-06	CCCCTCCT CCCCT---	
MA0341.1_MSN2	7.5949e-06	CCCCTCCT CCCCT---	
MA0364.1_REI1	1.8616e-04	AGGAGGGG -NCAGGGG	

M71*forward**reverse complement*

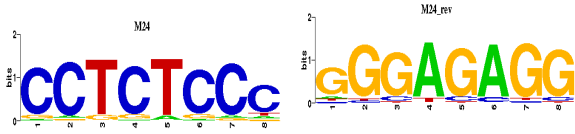
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0456.1_opa	1.9389e-06	--GCGGAGGG-- CNGCGGGGGK	
MA0283.1_CHA4	4.4558e-06	CCCTCCGC- -NCTCCGCC	
MA0079.2_SP1	4.3884e-05	-GCGGAGGG- GGGGNNGGG	
MA0131.1_MIZF	2.4633e-04	GCGGAGGG-- GCGGACGTTN	

MA0311.1_HAL9 4.8958e-04

GCGGAGGG
-CGGAA--



M24

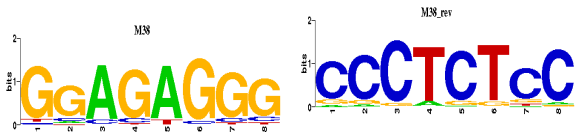


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	6.7096e-06	GGGAGAGG-- GGGGGNGGGG	
MA0159.1_RXR_RAR_DR5	7.0493e-05	-----GGGAGAGG--- RGKTCANNRNAGGTCA	
MA0065.2_PPARG_RXRA	1.3807e-04	---CCTCTCCC----- TGMCCTTTGNCYYN	
MA0323.1_IXR1	3.2630e-04	--CCTCTCCC----- CMCCGCTTCCGGYTT	
MA0062.1_GABPA	5.8471e-04	---GGGAGAGG ACCGGAAGNS-	

M38



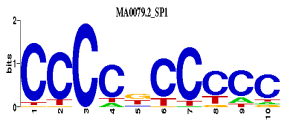
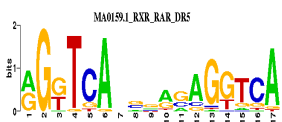



forward

reverse compliment

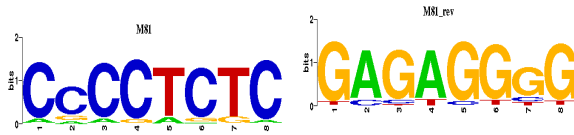
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

10/01/13





MA0079.2_SP1	1.6649e-05	-CCCTCTCC- CCCCNCCCCC	
MA0159.1_RXR_RAR_DR5	7.7606e-05	-----GGAGAGGG-- RGKTCANNNRNAGGTCA	
MA0354.1_PDR8	6.6850e-04	CCCTCTCC-- --ATCTCCGN	
MA0432.1_YNR063W	7.0807e-04	CCCTCTCC-- --ATCTCCGA	
MA0366.1_RGM1	1.9100e-03	GGAGAGGG- ----AGGGG	

M81



forward

reverse compliment

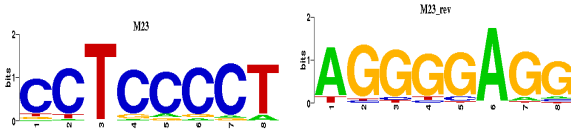
Name	E value	Alignment	Motif
MA0366.1_RGM1	2.5605e-06	CCCCTCTC CCCCT---	
MA0342.1_MSN4	2.6848e-06	CCCCTCTC CCCCT---	
MA0341.1_MSN2	8.9871e-06	CCCCTCTC CCCCT---	
MA0079.2_SP1	2.6371e-05	--GAGAGGGG GGGGNGGGG	

MA0364.1_REI1 2.0172e-04

CCCCTCTC
CCCCTGN-



M23

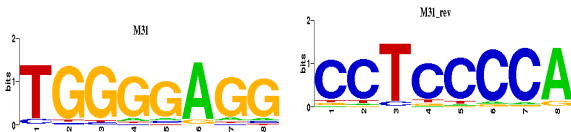


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	1.6492e-06	AGGGGAGG-- GGGGNGGGG	
MA0366.1_RGM1	2.0391e-06	CCTCCCCT ---CCCCT	
MA0342.1_MSN4	2.4558e-06	CCTCCCCT ---CCCCT	
MA0341.1_MSN2	8.1010e-06	CCTCCCCT ---CCCCT	
MA0056.1_MZF1_1-4	2.1394e-05	CCTCCCCT --TCCCN	

M31



forward

reverse compliment

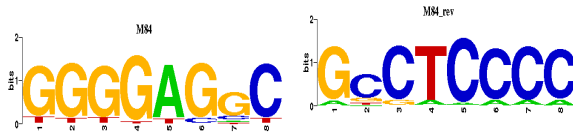
Name *E value* *Alignment* *Motif*

Stamp Results

10/01/13

MA0079.2_SP1	1.4582e-06	TGGGGAGG-- GGGGGNGGGG	
MA0056.1_MZF1_1-4	1.9700e-05	CCTCCCCA --TCCCCN	
MA0159.1_RXR_RAR_DR5	8.8636e-05	---CCTCCCCA----- TGACCTNYNNNTGAMCY	
MA0268.1_ADR1	1.8845e-04	-TGGGGAGG KTGGGGN--	
MA0436.1_YPR022C	2.3167e-04	--TGGGGAGG NGTGGGG---	

M84



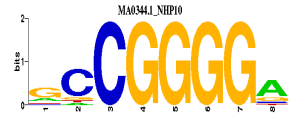
forward

reverse compliment

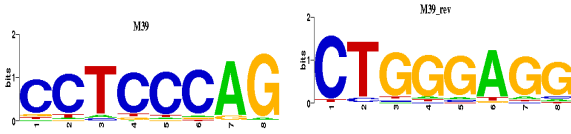
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	2.5565e-06	-GCCTCCCC- CCCCNCCCCC	
MA0056.1_MZF1_1-4	2.2429e-05	-GGGGAGGC NNGGGA---	
MA0456.1_opa	1.3976e-04	----GGGGAGGC CNGCGGGGGK	
MA0443.1_btd	3.1239e-04	GCCTCCCC-- YCCGCCMCN	

MA0344.1_NHP10 7.6679e-04

GCCTCCCC---
---TCCCCGGN



M39



forward

reverse compliment

Name E value Alignment Motif

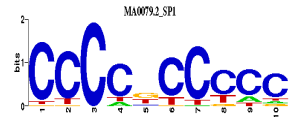
MA0320.1_IME1 2.7440e-04

CCTCCCAG
CCGCCGAG



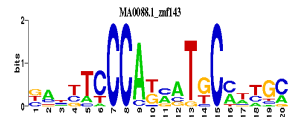
MA0079.2_SP1 6.0781e-04

CTGGGAGG--
GGGGGNGGGG



MA0088.1_znf143 1.1329e-03

-----CTGGGAGG--
KCNNKGMANNMTGGGANNNN



MA0162.1_Egr1 2.3637e-03

CCTCCCAG---
MCGCCACGCN

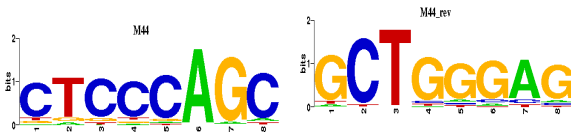


MA0432.1_YNR063W 3.5554e-03

-CCTCCCAG
ATCTCCGA-



M44




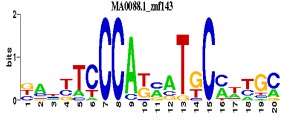
forward

reverse compliment

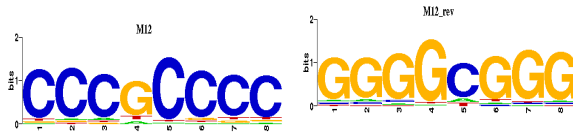
Name E value Alignment Motif

Stamp Results

10/01/13

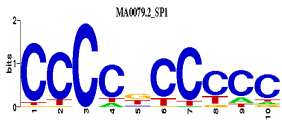
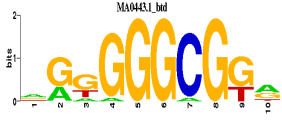


MA0267.1_ACE2	1.7663e-04	-GCTGGGAG NGCTGGN--	
MA0088.1_znf143	3.1029e-04	-----GCTGGGAG--- KCNNKGMANNMTGGGANNNN	
MA0402.1_SWI5	6.2148e-04	CTCCCAGC- -NACCAGCA	
MA0323.1_I XR1	1.4964e-03	-----CTCCCAGC-- CMCCGCTTCCGGYTT	
MA0338.1_MIG2	3.1064e-03	-GCTGGGAG NGYGGGG--	

M12



forward

reverse compliment

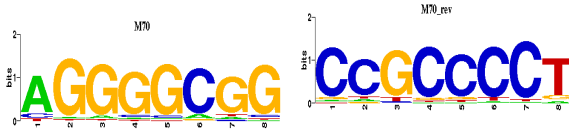
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0079.2_SP1	4.0388e-11	-GGGGCGGG- GGGGNGGGG	
MA0443.1_btd	5.1264e-09	CCCGCCCC-- YCCGCCMCN	
MA0450.1_hkb	1.0433e-07	-CCCGCCCC TCACGCCCM	
MA0290.1_DAL81	4.7211e-07	---CCCGCCCC----- AATCCCGCCCGCGGCTTTT	

MA0410.1_UGA3 3.5171e-06

-CCCGCCCC
TCCCGCCN-



M70



forward

reverse compliment

Name *E value* *Alignment* *Motif*

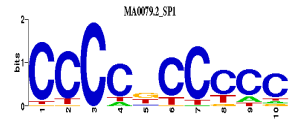
MA0443.1_btd 2.5390e-08

-AGGGGCGG-
NGKGGGCGGR



MA0079.2_SP1 1.4104e-07

AGGGGCGG--
GGGGNGGGG



MA0366.1_RGM1 1.8864e-06

CCGCCCT
---CCCCT



MA0342.1_MSN4 2.3851e-06

CCGCCCT
---CCCCT

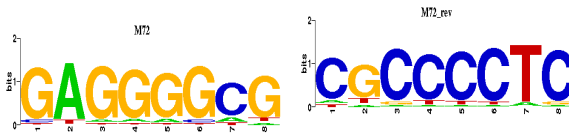


MA0341.1_MSN2 7.6393e-06

CCGCCCT
---CCCCT








M72



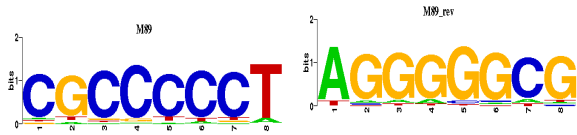
forward

reverse compliment

Name *E value* *Alignment* *Motif*





MA0366.1_RGM1	1.9343e-06	CGCCCCTC --CCCCT-	
MA0342.1_MSN4	2.1787e-06	CGCCCCTC --CCCCT-	
MA0341.1_MSN2	6.5952e-06	GAGGGGCG -AGGGG--	
MA0443.1_btd	9.5128e-06	--CGCCCCTC YCCGCCMCN	
MA0450.1_hkb	2.1435e-05	---CGCCCCTC TCACGCCCM--	

M89



forward

reverse compliment

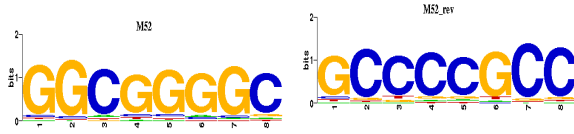
Name	E value	Alignment	Motif
MA0155.1_INSM1	7.9788e-10	CGCCCCT---- YGCCCCCTGRCA	
MA0139.1_CTCF	2.4775e-08	-----AGGGGGCG--- YNNCCASYAGGKGGCRSNN	
MA0443.1_btd	3.8576e-08	--CGCCCCT YCCGCCMCN	
MA0079.2_SP1	1.8040e-07	AGGGGGCG--- -GGGGNGGGG	

MA0373.1_RPN4 1.2046e-06

CGCCCCCT
CGCCACC-



M52

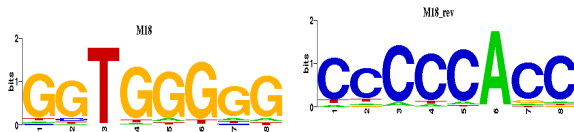


forward

reverse compliment

Name	E value	Alignment	Motif
MA0039.2_Klf4	3.7888e-09	--GGCGGGGC NGGGYGKGGC	
MA0079.2_SP1	1.3891e-07	---GGCGGGGC GGGGNNGGG-	
MA0079.1_SP1	2.3106e-07	GCCCCGCC-- ACCCNGCCNN	
MA0399.1_SUT1	5.4641e-07	GCCCCGCC -CCCCGCG	
MA0338.1_MIG2	9.4092e-07	GGCGGGGC NGYGGGG-	

M18



forward

reverse compliment

Name	E value	Alignment	Motif
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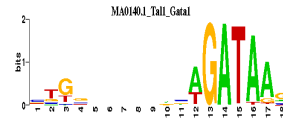
MA0436.1_YPR022C 2.1458e-07

GGTGGGGG
NGTGGGG-



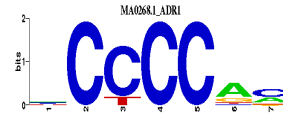
MA0140.1_Tal1_Gata1 7.3125e-07

--GGTGGGGG-----
NNGNNNNNNNNAGATAAN



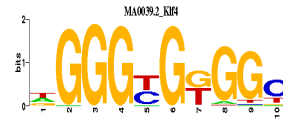
MA0268.1_ADR1 1.0333e-06

GGTGGGGG
-KTGGGGN



MA0039.2_Klf4 2.1851e-06

--GGTGGGGG
NGGYGKGGC

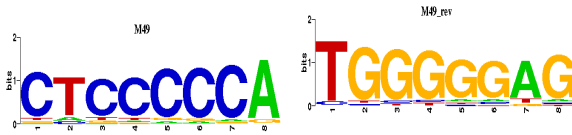


MA0373.1_RPN4 4.1971e-06

CCCCACC
-CGCCACC



M49



forward

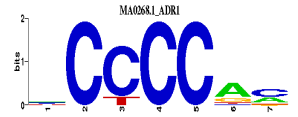
reverse compliment

Name	E value	Alignment	Motif
MA0079.2_SP1	2.5847e-06	TGGGGGAG--- -GGGGNGGGG	
MA0056.1_MZF1_1-4	2.0986e-05	CTCCCCCA -TCCCCN-	
MA0283.1_CHA4	2.9068e-05	-CTCCCCCA NCTCGCC-	
MA0057.1_MZF1_5-13	6.7179e-05	CTCCCCCA-- NTNCCCCTMN	

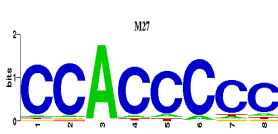
MA0268.1_ADR1

2.1277e-04

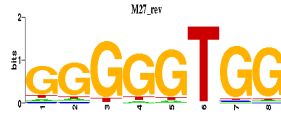
-TGGGGGAG
KTGGGGN--



M27



forward

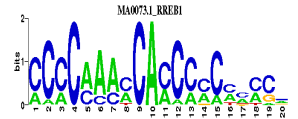


reverse compliment

Name E value Alignment Motif

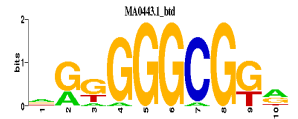
MA0073.1_RREB1 4.9912e-08

-----GGGGTGG-----
NGKKKGKGGGTGKTTTGGGG



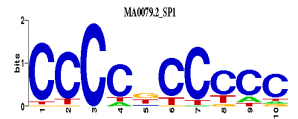
MA0443.1_btd 1.9709e-06

-CCACCCCC-
YCCGCCMCN



MA0079.2_SP1 4.5106e-06

GGGGTGG--
GGGGNGGGG



MA0039.2_Klf4 2.9177e-05

-CCACCCCC-
GCCMCRCN

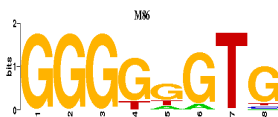


MA0450.1_hkb 9.2595e-05

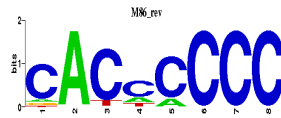
CCACCCCC-
TCACGCCM



M86



forward

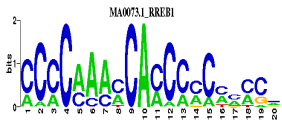
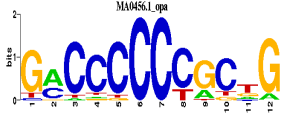




reverse compliment

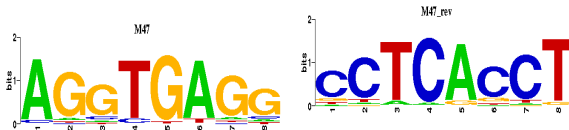
Name E value Alignment Motif

Stamp Results

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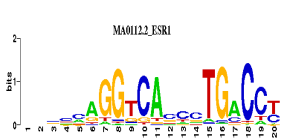

MA0073.1_RREB1	1.8810e-07	----GGGGGGTG----- NGKKKKGKGGGTGKTTTGGGG	
MA0456.1_opa	6.8136e-07	CACCCCCC---- GMCCCCCGCNG	
MA0450.1_hkb	1.7564e-06	-CACCCCCC TCACGCCCM	
MA0068.1_Pax4	2.5723e-05	GGGGGGTG----- GKRNNNNKNNNNNNNNNNNNKNNWWWTWTTY	
MA0079.1_SP1	8.1188e-05	CACCCCCC---- -ACCCNGCCNN	

M47



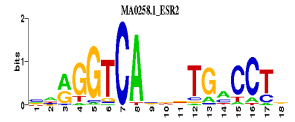
forward

reverse compliment

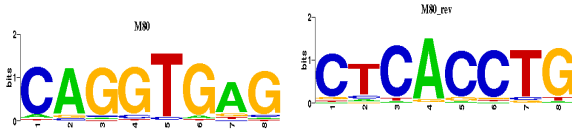
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0086.1_sna	1.8937e-05	CCTCACCT-- ---CACCTG	
MA0103.1_ZEB1	1.9906e-05	-AGGTGAGG NAGGTG---	
MA0112.2_ESR1	4.5736e-05	AGGTGAGG----- RGGTCANNNTGACCTNNNNN	
MA0009.1_T	1.6557e-04	--AGGTGAGG- CTAGGTGTGAA	

MA0258.1_ESR2 1.1419e-03

-----CCTCACCT--
NAGGNCANNNTGACCYNN



M80

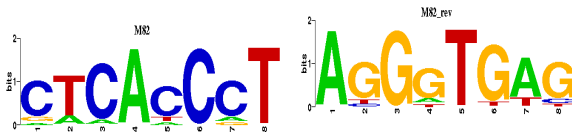


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0086.1_sna	4.5279e-09	CAGGTGAG CAGGTG--	
MA0409.1_TYE7	1.8737e-06	CAGGTGAG CACGTGA-	
MA0281.1_CBF1	1.3163e-05	-CAGGTGAG NCACGTGA-	
MA0103.1_ZEB1	1.8581e-05	CAGGTGAG NAGGTG--	
MA0322.1_INO4	5.5152e-05	CTCACCTG- TTCACATGC	

M82



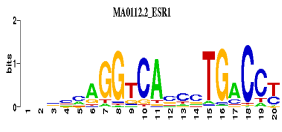
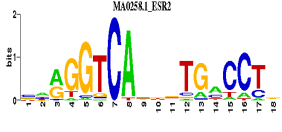

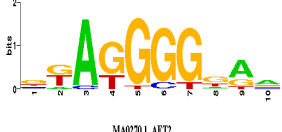

forward

reverse compliment

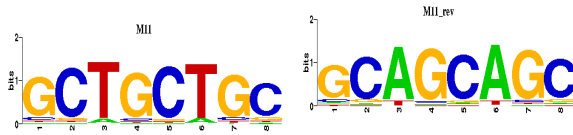
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

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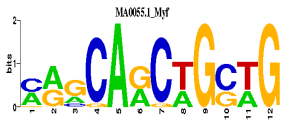



MA0112.2_ESR1	2.8221e-06	-----CTCACCT----- NNNNNAGGTCANNNTGACCY	
MA0258.1_ESR2	8.5405e-05	-----AGGGTGAG---- NNRGGTCANNNTGNCCTN	
MA0452.1_Kr	1.2724e-04	CTCACCT---- -TAACCCYTTNN	
MA0057.1_MZF1_5-13	2.1902e-04	CTCACCT-- NTNCCCCTMN	
MA0270.1_AFT2	6.7756e-04	AGGGTGAG NGGGTGTN	

M11



forward

reverse compliment

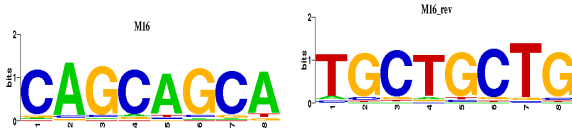
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0055.1_Myf	1.8547e-07	--GCTGCTGC-- CAGCAGYTG CYK	
MA0048.1_NHLH1	3.8077e-07	--GCTGCTGC-- NCGCAGCTGCGN	
MA0454.1_odd	2.7934e-04	-GCAGCAGC-- NACAGTAGCAN	
MA0402.1_SWI5	8.3225e-04	--GCAGCAGC NACCAGCA--	

MA0287.1_CUP2 1.0939e-03

----GCTGCTGC
CWTTYTGCTG--



M16

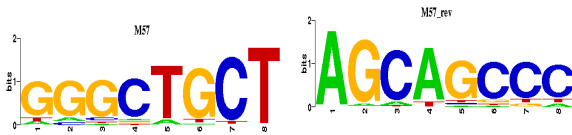


forward

reverse compliment

Name	E value	Alignment	Motif
MA0454.1_odd	6.5181e-07	--CAGCAGCA-- NACAGTAGCAN	
MA0138.1_REST	5.0809e-06	-CAGCAGCA----- TCAGCACCWNGGACAGCNC	
MA0055.1_Myf	5.3952e-06	----TGCTGCTG CAGCAGYTGCK	
MA0138.2_REST	8.1013e-06	-----TGCTGCTG-- GNNGCTGTCCNNGGTGCTGAN	
MA0402.1_SWI5	2.4711e-05	CAGCAGCA NACCAGCA	

M57



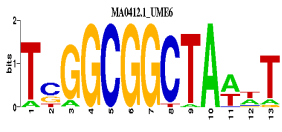
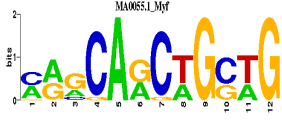
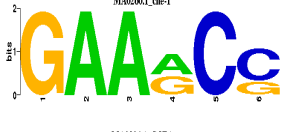


forward

reverse compliment

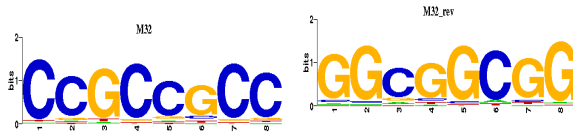
Name	E value	Alignment	Motif
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Stamp Results

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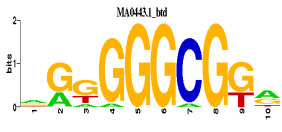
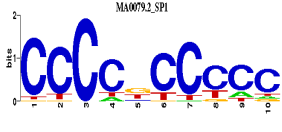
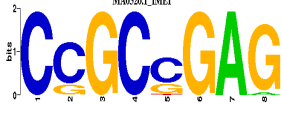

MA0412.1_UME6	5.3364e-04	----AGCAGCCC- AWWTAGCCGCCSA	
MA0055.1_Myf	1.4528e-03	---GGGCTGCT- CAGCAGYTGCYK	
MA0260.1_che-1	2.6419e-03	GGGCTGCT -GGYTTC-	
MA0304.1_GCR1	3.7604e-03	-AGCAGCCC TGGAAGCC-	
MA0402.1_SWI5	4.8527e-03	-AGCAGCCC NACCAGCA-	

M32



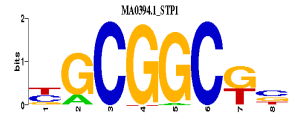
forward

reverse compliment

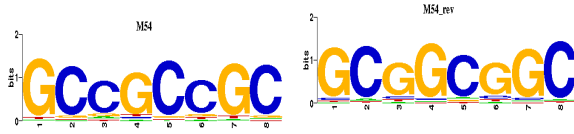
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0443.1_btd	1.5717e-06	-GGCGGCGG- NGKGGGCGGR	
MA0079.2_SP1	1.6699e-06	--CCGCCGCC CCCCNCCCC	
MA0320.1_IME1	2.4271e-06	GGCGGCGG CTCGGCGG	
MA0373.1_RPN4	7.0564e-06	GGCGGCGG GGTGGCG-	

MA0394.1_STP1 9.4800e-06

GCGGCGG
YCGGCKN



M54

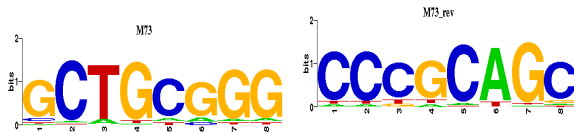


forward

reverse compliment

Name	E value	Alignment	Motif
MA0412.1_UME6	2.4639e-07	GCGGCGGC----- TSGGCGGCTAWWT	
MA0320.1_IME1	2.3173e-06	-GCGGCGGC CTCGGCGG-	
MA0394.1_STP1	9.5952e-06	-GCGGCGGC YCGGCKN-	
MA0123.1_abi4	1.0222e-04	-GCGGCGGC- NGNNGCRSCG	
MA0213.1_brk	4.6519e-04	GCGGCGGC SYGGCGCY	

M73



forward

reverse compliment

Name	E value	Alignment	Motif
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Stamp Results

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MA0290.1_DAL81 7.0901e-06

-----CCCGCAGC-----
AATCCCGCCCCGCGGCTTTT



MA0048.1_NHLH1 8.8476e-05

CCCGCAGC-----
-NCGCAGCTGCGN



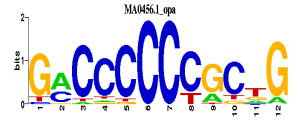
MA0332.1_MET28 1.3845e-04

CCCGCAGC
-CCACAG-



MA0456.1_opa 1.8546e-04

GCTGCGGG-----
-CNGCGGGGGGKC

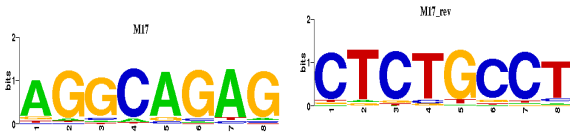


MA0399.1_SUT1 4.4145e-04

-CCCGCAGC
CCCCGCG--



M17



forward

reverse compliment

Name	E value	Alignment	Motif
MA0283.1_CHA4	2.5444e-05	AGGCAGAG- -GGCGGAGN	
MA0065.2_PPARG_RXRA	1.0077e-04	----CTCTGCCT--- TGMCCTTTGNCCYNN	
MA0062.1_GABPA	2.5839e-04	--AGGCAGAG ACCGGAAGNS	
MA0340.1_MOT3	3.2045e-04	CTCTGCCT- ---TRCCTN	

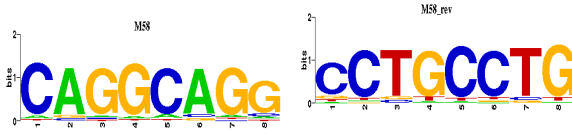
MA0080.2_SPI1

8.4529e-04

CTCTGCCT
-ACTTCCT



M58

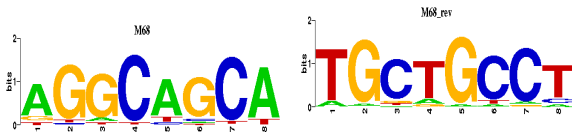


forward

reverse compliment

Name	E value	Alignment	Motif
MA0340.1_MOT3	2.6762e-05	CAGGCAGG NAGGYA--	
MA0144.1_Stat3	1.9400e-04	---CAGGCAGG TTCCNGGAAG-	
MA0156.1_FEV	2.3021e-04	CAGGCAGG CAGGAART	
MA0026.1_Eip74EF	7.1410e-04	CCTGCCTG -YTTCCGG	
MA0080.2_SPI1	8.1413e-04	CAGGCAGG -AGGAAGT	

M68



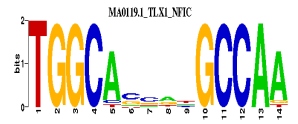
forward

reverse compliment

Name	E value	Alignment	Motif
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MA0119.1_TLX1_NFIC 1.3282e-04

AGGCAGCA-----
TGGCASNNNGCCAA



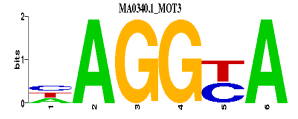
MA0055.1_Myf 1.6373e-04

----TGCTGCCT
CAGCAGYTGCYK



MA0340.1_MOT3 2.7915e-04

TGCTGCCT-
---TRCCTN



MA0402.1_SWI5 8.7561e-04

TGCTGCCT
TGCTGGTN

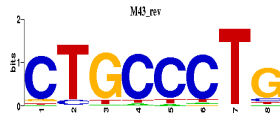
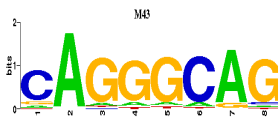


MA0305.1_GCR2 1.2058e-03

TGCTGCCT
-GCTTCCN



M43



forward

reverse compliment

Name

E value

Alignment

Motif

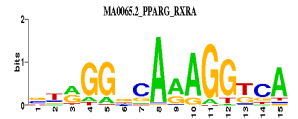
MA0364.1_REI1 1.7670e-04

-CAGGGCAG
NCAGGGG--



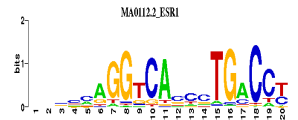
MA0065.2_PPARG_RXRA 6.8997e-04

-----CTGCCCTG-
TGMCCTTTGNCCYNN



MA0112.2_ESR1 1.4309e-03

-----CTGCCCTG
NNNNNAGGTCANNNTGACCY-



MA0366.1_RGM1 1.8394e-03

CTGCCCTG
--CCCCT-



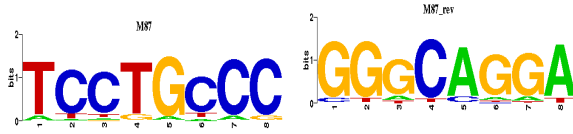
MA0342.1_MSN4

2.0357e-03

CTGCCCTG
--CCCCT--



M87

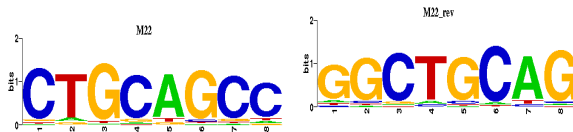


forward

reverse compliment

Name	E value	Alignment	Motif
MA0290.1_DAL81	8.0449e-06	--TCCTGCC----- AATCCCGCCCCGCGGCTTTT	
MA0410.1_UGA3	6.6412e-05	TCCTGCC TCCCGCCN	
MA0450.1_hkb	3.9357e-04	TCCTGCC-- TCACGCCM	
MA0112.2_ESR1	7.0683e-04	-GGCAGGA----- RGGTCANNNTGACCTNNNNN	
MA0156.1_FEV	7.7265e-04	---TCCTGCC AYTTCCTG---	

M22



forward

reverse compliment

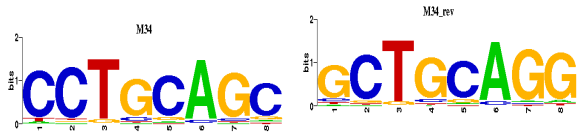
Name	E value	Alignment	Motif
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Stamp Results

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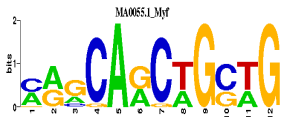



MA0055.1_Myf	2.8751e-04	CTGCAGCC---- CAGCAGYTGCYK	
MA0385.1_SOK2	8.9465e-04	--CTGCAGCC-- NNMTGCAKNNN	
MA0269.1_AFT1	2.5246e-03	-----GGCTGCAG----- NNNNNNGGGTGCAMTANNNNN	
MA0260.1_che-1	4.1983e-03	GGCTGCAG GGYTTC--	
MA0304.1_GCR1	5.2945e-03	GGCTGCAG GGCTTCCA	

M34



forward

reverse compliment

Name	E value	Alignment	Motif
MA0055.1_Myf	4.5634e-04	-----GCTGCAGG MRGCARCTGCTG--	
MA0324.1_LEU3	6.4704e-04	--GCTGCAGG CCGNNNMGG	
MA0385.1_SOK2	9.2225e-04	--CCTGCAGC-- NNNMTGCAKNN	
MA0402.1_SWI5	4.0714e-03	--CCTGCAGC NACCAGCA--	

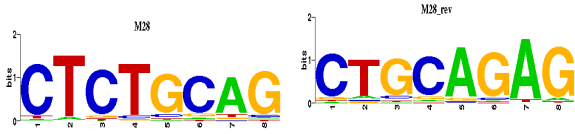
MA0086.1_sna

6.5659e-03

GCTGCAGG--
----CAGGTG



M28

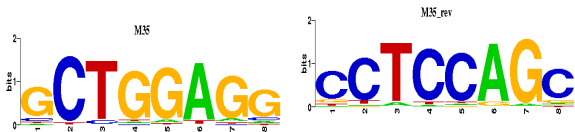


forward

reverse compliment

Name	E value	Alignment	Motif
MA0150.1_NFE2L2	5.6525e-04	CTGCAGAG---- -TGCTNWTGTCAY	
MA0320.1_IME1	5.6794e-04	CTCTGCAG CTCGGCGG	
MA0385.1_SOK2	1.0126e-03	-CTCTGCAG-- NNNMTGCAKNN	
MA0062.1_GABPA	2.3743e-03	CTCTGCAG-- SNCTTCCGGT	
MA0287.1_CUP2	3.0916e-03	CTGCAGAG--- CAGCARAAAWG	



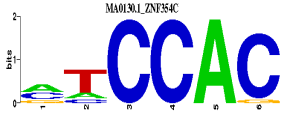
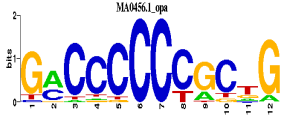
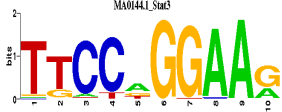
M35



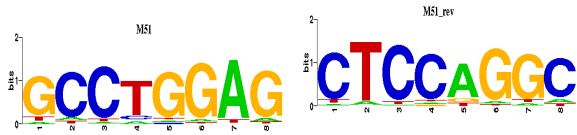
forward

reverse compliment

Name	E value	Alignment	Motif
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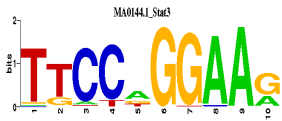
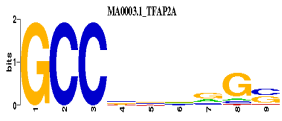


MA0267.1_ACE2	1.8680e-04	-GCTGGAGG NGCTGGN--	
MA0402.1_SWI5	6.3327e-04	CCTCCAGC- -NACCAGCA	
MA0130.1_ZNF354C	1.0185e-03	GCTGGAGG -GTGGAK-	
MA0456.1_opa	4.0387e-03	--GCTGGAGG-- CNGCGGGGGGKC	
MA0144.1_Stat3	4.9781e-03	---GCTGGAGG CTCCNGGAA-	

M51



forward

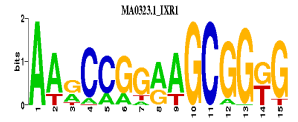
reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0144.1_Stat3	2.4892e-05	CTCCAGGC-- TTCCNGGAAG	
MA0003.1_TFAP2A	3.5825e-04	-CTCCAGGC SCNNNNGGC	
MA0154.1_EBF1	3.9438e-04	-GCCTGGAG- TCCCTNNGGN	
MA0130.1_ZNF354C	9.8272e-04	GCCTGGAG --GTGGAK	

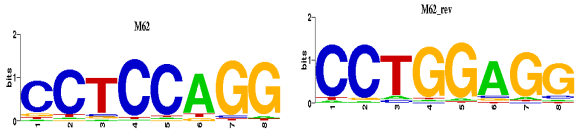
MA0323.1_IXR1

1.9131e-03

-----CTCCAGGC--
CMCCGCTTCCGGYTT



M62

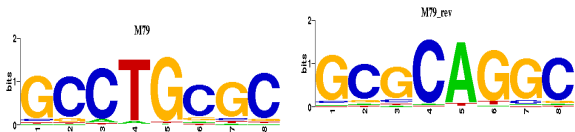


forward

reverse compliment

Name	E value	Alignment	Motif
MA0144.1_Stat3	2.5224e-05	---CCTGGAGG CTTCNNGGAA-	
MA0139.1_CTCF	1.5157e-04	-----CCTGGAGG--- NNSYGCCMCCRSTGGNNR	
MA0154.1_EBF1	3.4704e-04	--CCTGGAGG TCCCTNNGGN	
MA0130.1_ZNF354C	1.0167e-03	CCTGGAGG -GTGGAK-	
MA0440.1_ZAP1	2.0135e-03	--CCTCCAGG----- ACCYTMAAGGTNATG	

M79



forward

reverse compliment

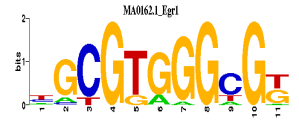
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

MA0162.1_Egr1 8.7999e-04

--GCCTGCGC--
MCGCCCACGCN



MA0290.1_DAL81 1.7378e-03

-----GCCTGCGC-----
AATCCCGCCCCGCGGCTTTT



MA0291.1_DAL82 2.1550e-03

GCGCAGGC--
GCGCANWWN



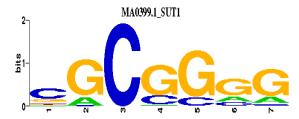
MA0213.1_brk 2.8746e-03

-GCGCAGGC
RGCGCCRS-

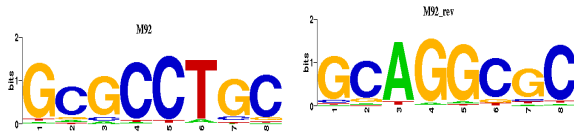


MA0399.1_SUT1 3.7573e-03

GCCTGCGC
CCCCGCG-



M92



forward

reverse compliment

Name

E value

Alignment

Motif

MA0086.1_sna

1.4539e-04

GCGCCTGC
-CACCTG-



MA0449.1_h

1.8836e-04

-GCGCCTGC-
GNCACGTGNC



MA0213.1_brk

1.8908e-04

GCAGGCGC-
-SYGGCGCY



MA0364.1_REI1

9.0020e-04

GCAGGCGC
NCAGGG-

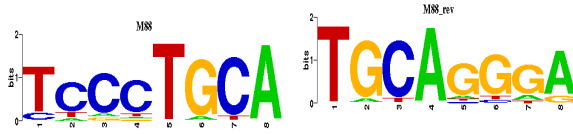


MA0048.1_NHLH1 1.4193e-03

--GCAGGCGC--
NCGCAGCTGCGN



M88

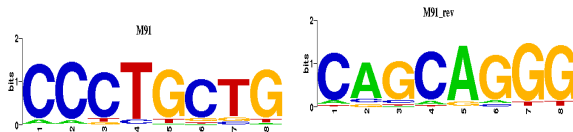


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0364.1_REI1	1.9285e-04	TGCAGGGA -NCAGGGG	
MA0154.1_EBF1	6.2542e-04	TCCCTGCA-- TCCCTNGGGN	
MA0144.1_Stat3	8.6212e-04	-TGCAGGGA- TTCNGGAAG	
MA0366.1_RGM1	1.9639e-03	TCCCTGCA CCCCT---	
MA0342.1_MSN4	2.1722e-03	TCCCTGCA CCCCT---	

M91



forward

reverse compliment

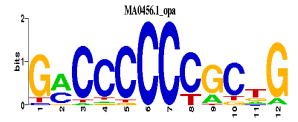
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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Stamp Results

10/01/13

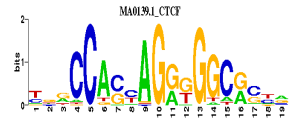
MA0456.1_opa 1.0280e-07

CAGCAGGG----
CNGCGGGGGGKC



MA0139.1_CTCF 3.7425e-06

----CAGCAGGG-----
YNNCCASYAGGKGGCRSNN



MA0364.1_REI1 1.7562e-04

CAGCAGGG--
--NCAGGGG



MA0287.1_CUP2 5.5472e-04

---CCCTGCTG
CWITTYTGCTG

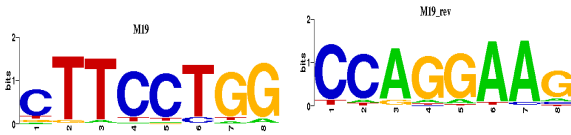


MA0402.1_SWI5 8.5868e-04

---CAGCAGGG
NACCAGCA---



M19



forward

reverse compliment

Name

E value

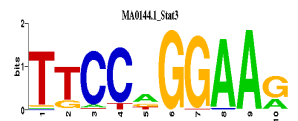
Alignment

Motif

MA0144.1_Stat3

4.7308e-12

CTTCCTGG--
CTTCNNGGAA



MA0156.1_FEV

3.9470e-08

-CTTCCTGG
AYTTCCTG-



MA0080.2_SPI1

1.5899e-07

-CTTCCTGG
ACTTCCT--



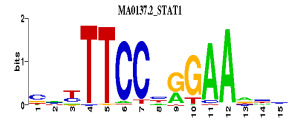
MA0026.1_Eip74EF 2.6558e-07

CTTCCTGG
YTTCGG-

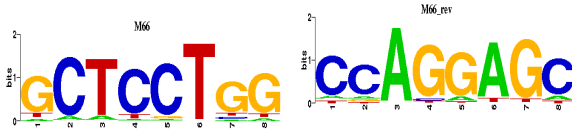


MA0137.2_STAT1 2.4727e-05

-----CCAGGAAG--
NNNTTCCNGGAARNN



M66

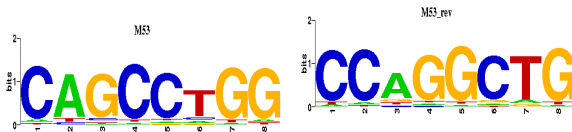


forward

reverse compliment

Name	E value	Alignment	Motif
MA0144.1_Stat3	2.7285e-05	GCTCCTGG-- CTTCCNGGAA	
MA0323.1_IXR1	3.8992e-05	---CCAGGAGC--- AARCCGGAAGCGKG	
MA0454.1_odd	6.9529e-05	-CCAGGAGC-- NACAGTAGCAN	
MA0086.1_sna	1.0769e-04	CCAGGAGC -CAGGTG-	
MA0156.1_FEV	8.4798e-04	-GCTCCTGG AYTTCCTG-	

M53



forward

reverse compliment

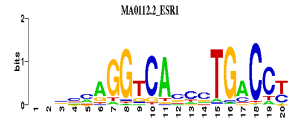
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

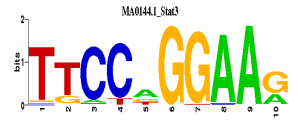
MA0112.2_ESR1 6.6744e-04

---CCAGGCTG-----
RGGTCANNNTGACCTNNNNN



MA0144.1_Stat3 1.0593e-03

CAGCCTGG--
CTTCNNGGAA



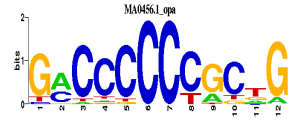
MA0344.1_NHP10 3.9883e-03

CAGCCTGG--
--NCCGGGGA



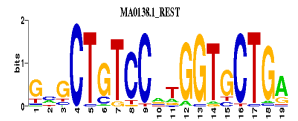
MA0456.1_opa 4.5591e-03

CAGCCTGG----
CNGCGGGGGK



MA0138.1_REST 6.0505e-03

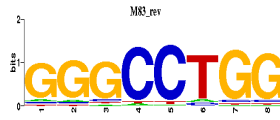
----CAGCCTGG-----
TCAGCACWNGGACAGCNC



M83



forward



reverse compliment

Name E value

Alignment

Motif

MA0450.1_hkb 7.5266e-05

CCAGGCCC--
TCAGGCCCM



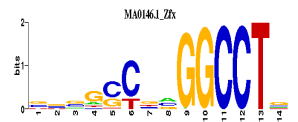
MA0039.2_Klf4 1.1309e-04

--CCAGGCCC--
GCCMCRCCCN



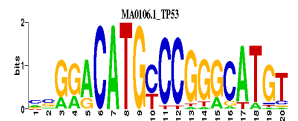
MA0146.1_Zfx 8.4758e-04

--GGCCTGG-----
NAGGCCNNGGCNNN



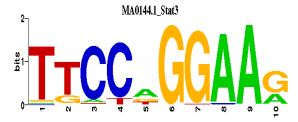
MA0106.1_TP53 3.5293e-03

CCAGGCCC-----
ACATGCCCGGGCATGTCNN

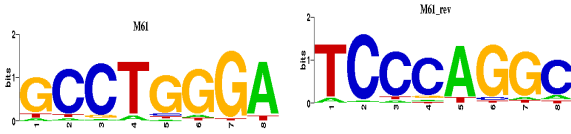


MA0144.1_Stat3 3.9817e-03

GGCCTGG--
CTTCCNGGAA



M61

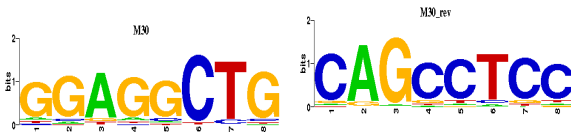


forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0344.1_NHP10	1.3066e-08	TCCCAGGC TCCCCGN	MA0344.1_NHP10
MA0321.1_INO2	2.6195e-04	-TCCCAGGC TTCACATGC	MA0321.1_INO2
MA0162.1_Egr1	2.7517e-04	--TCCCAGGC- MCGCCCACGCN	MA0162.1_Egr1
MA0322.1_INO4	3.3117e-04	-TCCCAGGC TTCACATGC	MA0322.1_INO4
MA0144.1_Stat3	3.5523e-04	--GCCTGGGA CTTCCNGGAA	MA0144.1_Stat3

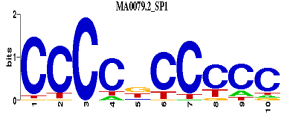

M30



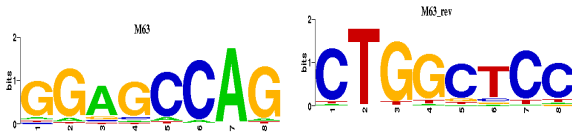
forward

reverse compliment

<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
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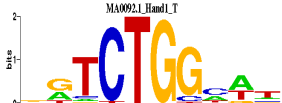
MA0412.1_UME6	5.9456e-04	---CAGCCTCC-- AWWTAGCCGCCSA	
MA0079.2_SP1	7.4101e-04	GGAGGCTG-- GGGGNGGGG	
MA0305.1_GCR2	1.1093e-03	-GGAGGCTG NGGAAGC--	
MA0373.1_RPN4	1.5492e-03	CAGCCTCC -CGCCACC	
MA0443.1_btd	2.3647e-03	-CAGCCTCC- YCCGCCMCN	

M63



forward

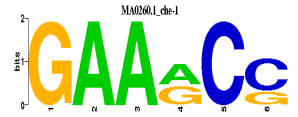
reverse compliment

Name	E value	Alignment	Motif
MA0213.1_brk	6.3171e-06	GGAGCCAG RGCGCCRS	
MA0119.1_TLX1_NFIC	1.9120e-03	-----GGAGCCAG TTGGCNNNSTGCCA-	
MA0326.1_MAC1	2.6423e-03	GGAGCCAG YGAGCAAA	
MA0092.1_Hand1_T	2.8333e-03	GGAGCCAG--- -NWNCCAGAYN	

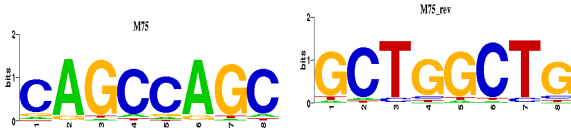
MA0260.1_che-1

2.8707e-03

GGAGCCAG
GAARCC--



M75



forward

reverse compliment

Name *E value* *Alignment* *Motif*

MA0267.1_ACE2 1.9213e-04

-GCTGGCTG
NGCTGGN--



MA0402.1_SWI5 6.4423e-04

CAGCCAGC-
-NACCAGCA



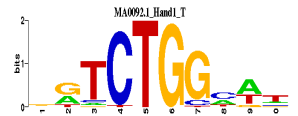
MA0373.1_RPN4 1.7923e-03

CAGCCAGC
-CGCCACC



MA0092.1_Hand1_T 2.5308e-03

CAGCCAGC--
NWNCCAGAYN

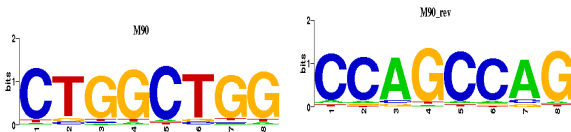


MA0161.1_NFIC 5.6518e-03

CAGCCAGC
-NGCCAA-



M90



forward

reverse compliment

Name *E value* *Alignment* *Motif*

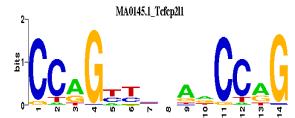
MA0267.1_ACE2 1.7885e-04

CTGGCTGG--
--NGCTGGN



MA0145.1_Tcfcp2l1 2.8679e-04

CTGGCTGG-----
CYGGNTNNRNCYGG



MA0402.1_SWI5 6.3554e-04

--CCAGCCAG
NACCAGCA--



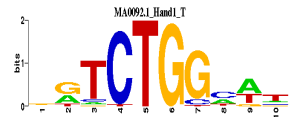
MA0144.1_Stat3 1.8550e-03

CTGGCTGG--
CTTCCNGGAA

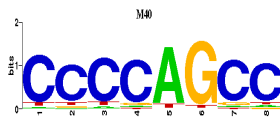


MA0092.1_Hand1_T 2.7862e-03

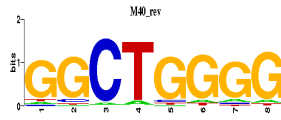
CCAGCCAG---
-NWNCCAGAYN



M40



forward



reverse compliment

Name

E value

Alignment

Motif

MA0344.1_NHP10 1.8283e-05

-CCCCAGCC
TCCCCGGN-



MA0039.2_Klf4 2.4187e-05

-CCCCAGCC-
GCCMCRCCCN



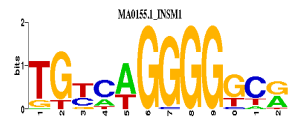
MA0079.1_SP1 4.8224e-05

CCCCAGCC--
ACCCNGCCNN



MA0155.1_INSM1 1.2725e-04

---CCCCAGCC-
YGCCCCCTGRCA

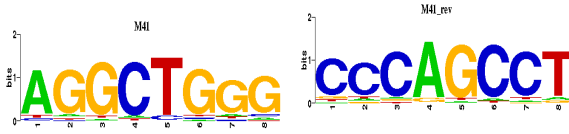


MA0332.1_MET28 1.5010e-04

CCCCAGCC
CCACAG--



M41

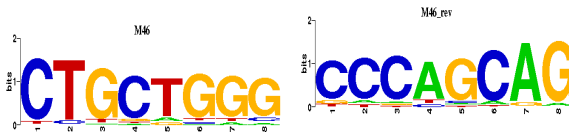


forward

reverse compliment

Name	E value	Alignment	Motif
MA0079.1_SP1	7.3211e-05	-CCCAGCCT- ACCCNGCCNN	
MA0267.1_ACE2	1.8307e-04	CCCAGCCT NCCAGCN-	
MA0079.2_SP1	5.1878e-04	--AGGCTGGG GGGGNGGGG	
MA0402.1_SWI5	5.9536e-04	-CCCAGCCT NACCAGCA-	
MA0088.1_znf143	1.1899e-03	-----CCCAGCCT----- NNNNTCCCAKNNTKCMNNGM	



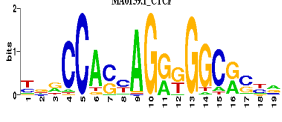


M46



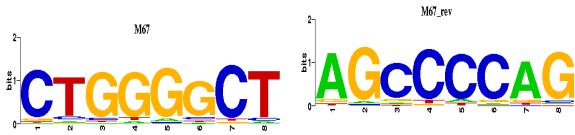
forward

reverse compliment

Name	E value	Alignment	Motif
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MA0402.1_SWI5	1.7927e-06	-CCCAGCAG NACCAGCA-	
MA0267.1_ACE2	1.8417e-04	CTGCTGGG -NGCTGGN	
MA0139.1_CTCF	2.0880e-04	-----CTGCTGGG-- NNSYGCCMCTRSTGGNNR	
MA0150.1_NFE2L2	4.6277e-04	CTGCTGGG---- -TGCTNWGTCAY	
MA0287.1_CUP2	6.0941e-04	-----CTGCTGGG CWTTTYTGCTG--	

M67



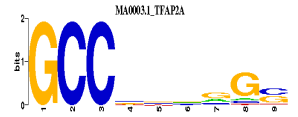
forward

reverse compliment

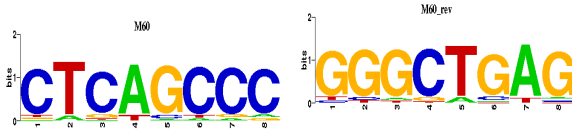
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0213.1_brk	1.6872e-05	AGCCCCAG RGCGCCRS	
MA0332.1_MET28	1.3588e-04	AGCCCCAG --CCACAG	
MA0268.1_ADR1	1.9635e-04	CTGGGGCT KTGGGGN-	
MA0436.1_YPR022C	2.3115e-04	-CTGGGGCT NGTGGGG--	

MA0003.1_TFAP2A 2.4672e-04

--CTGGGGCT
SCNNNNGGC-



M60

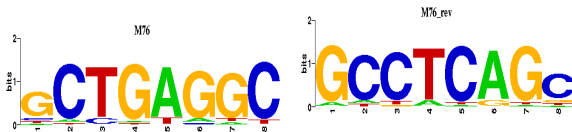


forward

reverse compliment

Name	E value	Alignment	Motif
MA0283.1_CHA4	6.0407e-05	-CTCAGCCC NCTCCGCC-	
MA0150.1_NFE2L2	9.8498e-05	GGGCTGAG---- -TGCTNWTCA	
MA0065.2_PPARG_RXRA	4.1510e-04	----CTCAGCCC--- TGMCCTTGNCCYNN	
MA0443.1_btd	9.4635e-04	CTCAGCCC--- -YCCGCCMCN	
MA0117.1_Mafb	1.0311e-03	--CTCAGCCC NNNTCAGC--	

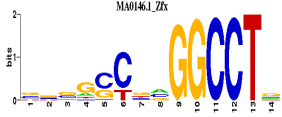

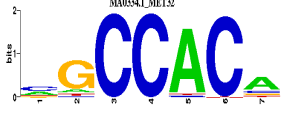

M76



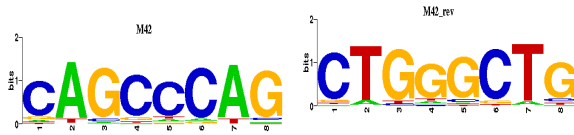
forward

reverse compliment

Name	E value	Alignment	Motif
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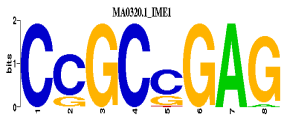



MA0150.1_NFE2L2	8.0564e-07	-GCTGAGGC-- TGCTNWTCA Y	
MA0146.1_Zfx	5.0177e-05	---GCCTCAGC--- NAGCCNNGGCNNN	
MA0332.1_MET28	8.5125e-05	GCCTCAGC -CCACAG-	
MA0334.1_MET32	5.7359e-04	-GCCTCAGC NGCCACA--	
MA0117.1_Mafb	7.4102e-04	GCCTCAGC NNNTCAGC	

M42



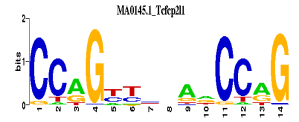
forward

reverse compliment

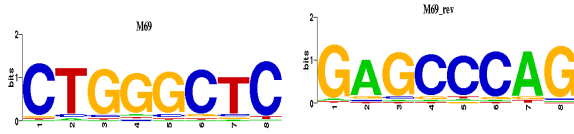
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0320.1_IME1	3.5290e-04	CTGGGCTG CTCGGCGG	
MA0368.1_RIM101	9.3666e-04	CTGGGCTG CTTGCR-	
MA0162.1_Egr1	3.4734e-03	---CTGGGCTG NGCGTGGGCGK	
MA0083.1_SRF	9.0910e-03	-----CTGGGCTG CCATATATGGGC--	

MA0145.1_Tcfcp211 1.1229e-02

-----CTGGGCTG--
CYGGNTNNRNCYGG



M69

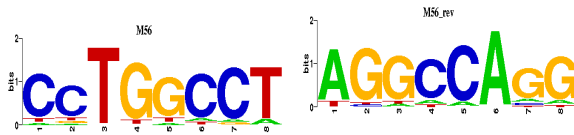


forward

reverse compliment

Name	E value	Alignment	Motif
MA0368.1_RIM101	1.0818e-03	CTGGGCTC CTGGCR-	
MA0163.1_PLAG1	1.5269e-03	-----CTGGGCTC-- CCCCCTTNGGCCCC	
MA0320.1_IME1	4.0518e-03	CTGGGCTC CTCGGCGG	
MA0162.1_Egr1	7.5731e-03	GAGCCCAG--- MCGCCCACGCN	
MA0326.1_MAC1	8.4590e-03	CTGGGCTC-- -TTTGCTCR	

M56



forward

reverse compliment

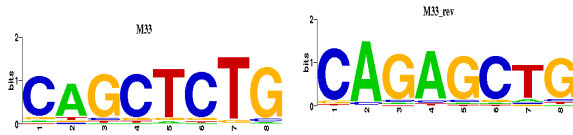
Name	E value	Alignment	Motif
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Stamp Results

10/01/13

MA0112.2_ESR1	8.1182e-05	AGGCCAGG----- RGGTCANNNTGACCTNNNNN	
MA0381.1_SKN7	1.4752e-04	CCTGGCCT -NYGGCC-	
MA0097.1_bZIP911	7.9909e-04	AGGCCAGG----- -GGCCACGTCAYC	
MA0368.1_RIM101	9.7921e-04	CCTGGCCT CTTGGCR-	
MA0258.1_ESR2	1.1157e-03	-----CCTGGCCT-- NAGGNCANNNTGACCYNN	

M33



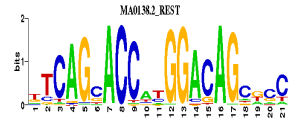
forward

reverse compliment

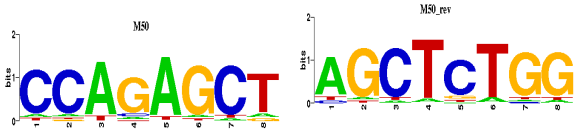
Name	E value	Alignment	Motif
MA0048.1_NHLH1	2.2688e-03	---CAGCTCTG- NCGCAGCTGCGN	
MA0335.1_MET4	4.0936e-03	-CAGAGCTG CCACAGNT-	
MA0389.1_SRD1	4.7593e-03	-CAGAGCTG NNAGATCT-	
MA0138.1_REST	8.1441e-03	-----CAGCTCTG TCAGCACCWNGGACAGCNC--	

MA0138.2_REST 1.0815e-02

CAGAGCTG-----
-GNNCTGTCCNNGGTGCTGAN



M50

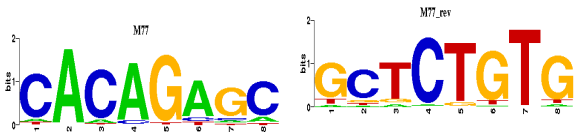


forward

reverse compliment

Name	E value	Alignment	Motif
MA0335.1_MET4	1.3927e-05	CCAGAGCT CCACAGNT	
MA0332.1_MET28	1.3527e-04	CCAGAGCT CCACAG--	
MA0451.1_kni	4.3312e-04	-AGCTCTGG--- NTGCTCTANTTT	
MA0092.1_Hand1_T	3.0352e-03	---CCAGAGCT NWNCCAGAYN-	
MA0389.1_SRD1	4.4394e-03	CCAGAGCT NNAGATCT	

M77




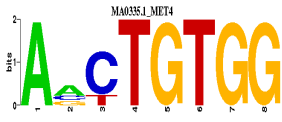
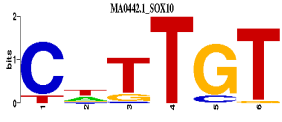
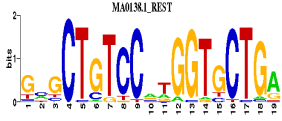

forward

reverse compliment

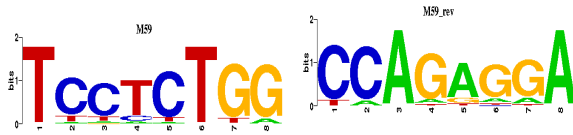
Name	E value	Alignment	Motif
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Stamp Results

10/01/13


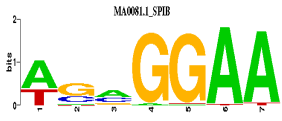


MA0332.1_MET28	1.8499e-05	GCTCTGTG- ---CTGTGG	
MA0335.1_MET4	7.7003e-04	-CACAGAGC CCACAGNT-	
MA0442.1_SOX10	1.2961e-03	CACAGAGC -ACAAWG-	
MA0138.1_REST	5.1350e-03	-----CACAGAGC TCAGCACCWNGGACAGCNC	
MA0207.1_achi	7.4001e-03	GCTCTGTG- ---CTGTCA	

M59



forward

reverse compliment

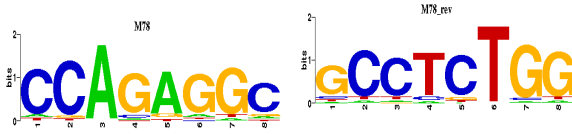
<i>Name</i>	<i>E value</i>	<i>Alignment</i>	<i>Motif</i>
MA0370.1_RME1	6.0012e-07	-TCCTCTGG- TNCCTTTNNA	
MA0081.1_SPIB	1.0057e-05	-TCCTCTGG TTCKST--	
MA0332.1_MET28	2.7689e-04	CCAGAGGA CCACAG--	
MA0364.1_REI1	6.3089e-04	CCAGAGGA NCAGGG-	

MA0090.1_TEAD1 6.5054e-04

CCAGAGGA-----
-CNSWGGAAATGTR



M78

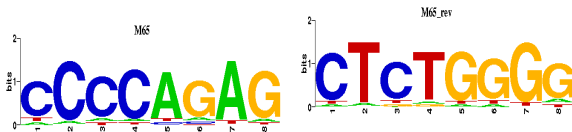


forward

reverse compliment

Name	E value	Alignment	Motif
MA0332.1_MET28	1.3506e-04	CCAGAGGC CCACAG--	
MA0278.1_BAS1	2.3893e-04	-----CCAGAGGC----- NNNNRGCCNGAGTCARNWNNN	
MA0370.1_RME1	3.5846e-04	-GCCTCTGG- TNCCTTTNNA	
MA0364.1_REI1	8.2735e-04	CCAGAGGC NCAGGGG-	
MA0139.1_CTCF	1.9311e-03	-----CCAGAGGC----- YNNCCASYAGGKGGCRSNN	


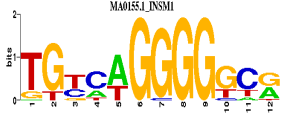


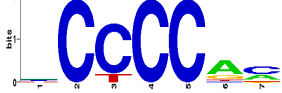
M65



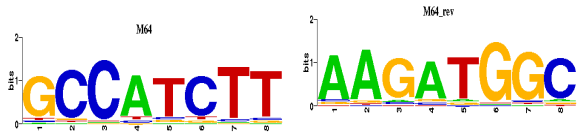
forward

reverse compliment

Name	E value	Alignment	Motif
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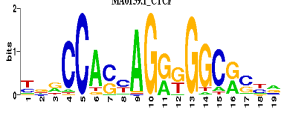

MA0154.1_EBF1	1.3309e-05	-CTCTGGGG- TCCCTNGGGN	
MA0155.1_INSM1	8.8933e-05	---CCCCAGAG- YGCCCCCTGRCA	
MA0332.1_MET28	1.3228e-04	CCCCAGAG CCACAG--	
MA0436.1_YPR022C	1.9478e-04	CTCTGGGG -NGTGGGG	
MA0268.1_ADR1	2.5236e-04	CTCTGGGG- --KTGGGGN	

M64



forward

reverse compliment

Name	E value	Alignment	Motif
MA0091.1_TAL1_TCF3	5.8337e-04	--AAGATGGC-- AMCAGATGKTNN	
MA0373.1_RPN4	1.2406e-03	-GCCATCTT CGCCACC--	
MA0139.1_CTCF	1.9579e-03	----GCCATCTT----- NNSYGCCMCTRSTGGNNR	
MA0095.1_YY1	6.4621e-03	AAGATGGC --NATGGN	

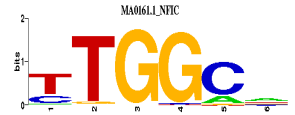
Stamp Results

10/01/13

MA0161.1_NFIC

6.9739e-03

-GCCATCTT
NGCCAA---



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